

Antibodies & ELISAs for Neuroscience

Code No.	Name	Volume	IHC	Pretreatment	IHC Conc.	*WB/DB	WB/DB Conc.	Specificity and comments
14-3-3								
18649	Anti-Human 14-3-3 Protein Rabbit IgG Affinity Purify	100 ug	○	MW	1~2 ug/mL	○	1~5 ug/mL (ECL)	Human 14-3-3 $\beta \gamma \epsilon \zeta \eta \sigma \tau$ specific
18641	Anti-Human 14-3-3 β Protein Rabbit IgG Affinity Purify	100 ug	○	MW	2~3 ug/mL	○	1~5 ug/mL (ECL)	Human 14-3-3 β specific, Not reacts with Human 14-3-3 $\gamma, \epsilon, \zeta, \eta, \sigma$ or τ
10037	Anti-Human 14-3-3 γ Protein (63A1) Mouse IgG MoAb	100 ug	○	MW	3~5 ug/mL	○	1~5 ug/mL (ECL)	Human 14-3-3 γ specific, Not reacts with Human 14-3-3 $\beta, \epsilon, \zeta, \eta$, or τ
18647	Anti-Human 14-3-3 γ Protein Rabbit IgG Affinity Purify	100 ug	○	MW	5 ug/mL	○	0.2~0.5 ug/mL (ECL)	Human 14-3-3 γ specific, Not reacts with Human 14-3-3 $\beta, \epsilon, \zeta, \eta$, or τ
18643	Anti-Human 14-3-3 ϵ Protein Rabbit IgG Affinity Purify	100 ug	○	MW	2~3 ug/mL	○	1~5 ug/mL (ECL)	Human 14-3-3 ϵ specific, Not reacts with Human 14-3-3 $\beta, \gamma, \zeta, \eta, \sigma$ or τ
18644	Anti-Human 14-3-3 ζ Protein Rabbit IgG Affinity Purify	100 ug	○	MW	2~5 ug/mL	○	0.5~1 ug/mL (ECL)	Human 14-3-3 ζ specific, Not reacts with Human 14-3-3 $\beta, \epsilon, \gamma, \eta, \sigma$ or τ
18645	Anti-Human 14-3-3 η Protein Rabbit IgG Affinity Purify	100 ug	○	MW	5 ug/mL	○	1~5 ug/mL (ECL)	Human 14-3-3 η specific, Not reacts with Human 14-3-3 $\beta, \gamma, \epsilon, \zeta, \sigma$ or τ
18640	Anti-Human 14-3-3 σ Protein (69) Rabbit IgG Affinity Purify	100 ug	○	MW	1~3 ug/mL	○	1~3 ug/mL (ECL)	Human 14-3-3 σ specific, Not reacts with Human 14-3-3 $\beta, \gamma, \epsilon, \zeta, \eta$ or τ
18642	Anti-Human 14-3-3 σ Protein (C) Mouse IgG Affinity Purify	100 ug	○	MW	1~3 ug/mL	○	1~3 ug/mL (ECL)	Human 14-3-3 σ specific, Not reacts with Human 14-3-3 $\beta, \gamma, \epsilon, \zeta, \eta$, or τ
18646	Anti-Human 14-3-3 σ Protein (N) Mouse IgG Affinity Purify	100 ug	○	MW	5 ug/mL	○	1~3 ug/mL (ECL)	Human 14-3-3 σ specific, Not reacts with Human 14-3-3 $\beta, \gamma, \epsilon, \zeta, \eta$, or τ
10017	Anti-Human 14-3-3 τ Protein (33A) Mouse IgG MoAb	200 ug	○	MW	1~2 ug/mL	○	1~5 ug/mL (ECL)	Human 14-3-3 τ specific, Not reacts with Human 14-3-3 $\beta, \gamma, \epsilon, \zeta, \eta$ or σ
ApoE								
18171	Anti-Human ApoE (A299) Rabbit IgG Affinity Purify	100 ug	○	Formic Acid ※ 1 or MW	1~5 ug/mL	○	5 ug/mL (ECL)	Reacts to ApoE2, ApoE3 and ApoE4
10025	Anti-Human ApoE4 (5B5) Mouse IgG MoAb	200 ug	○	Formic Acid+MW	10~20 ug/mL	○	10 ug/mL (ECL)	Human ApoE4 specific. Non-cross reacts with Human ApoE2 and ApoE3
BACE								
18711	Anti-Human BACE (C) Rabbit IgG Affinity Purify	100 ug	○	MW	5 ug/mL	○	2 ug/mL (ECL)	Can use for immunoprecipitation at about 2 ug/mL
BNP (Brain Natriuretic Peptide)								
16162	Anti-Human BNP Rabbit IgG	100 ug	※ 2	—	4~20 ug/mL	NT	—	Confirmed in Human Brain
Bovine GFAP								
11051	Anti- Bovine GFAP (G-25-8-3) Mouse IgG MoAb	1 mL	※ 2	—	200-fold dilution	NT	—	Reacts with Human and Rat GFAP
CDCrel-1								
18921	Anti-Human CDCrel-1 (C354) Rabbit IgG Affinity Purify	100 ug	○	MW	2 ug/mL	○	1 ug/mL (ECL)	Can use for immunoprecipitation in concentration of about 3 ug/mL
Choline Acetyl Transferase								
18771	Anti- Cre recombinase Rabbit IgG Affinity Purify	50 ug	○	MW	2~5 ug/mL	○	1~3 ug/mL (ECL)	Confirmed by western blotting using Cre Cos/TNE sup.
CRMP-2								
11096	Anti-Human CRMP-2 (C4G) Mouse IgG MoAb	100 ug	—	—	—	○	1~5 ug/mL (ECL)	Can use for immunoprecipitation in concentration of about 5 ug/mL. Cross reacts with Mouse and Rat
11098	Anti-Human CRMP-2 (N3E) Mouse IgG MoAb	100 ug	—	—	—	○	1~5 ug/mL (ECL)	Cross reacts with Mouse and Rat
Fez1								
18997	Anti-Mouse Fez1 (F441) Rabbit IgG Affinity Purify	100 ug	NT	*	*	○	*	Reacts with mouse Fez1 * See the Datasheet
Flotillin-1								
18951	Anti-Murine Flotillin-1 (C) Rabbit IgG Affinity Purify	100 ug	○	MW	2 ug/mL	○	2 ug/mL (ECL)	Reacts with Rat, Mouse and Human Flotillin-1 (Confirmed by western blotting and Immunohistochemistry)
GLUT								
18901	Anti-Human GLUT-1 Rabbit IgG Affinity Purify	100 ug	○	NN	1 ug/mL	○	1 ug/mL (ECL)	Confirmed by western blotting using transfectant cells
18903	Anti-Human GLUT-3 Rabbit IgG Affinity Purify	100 ug	○	NN	2~5 ug/mL	○	1~5 ug/mL (ECL)	Confirmed by western blotting using transfectant cells
18905	Anti-Human GLUT-5 Rabbit IgG Affinity Purify	100 ug	○	NN	2~5 ug/mL	○	1~5 ug/mL (ECL)	Confirmed by western blotting using transfectant cells
MBP								
16141	Anti- MBP Rabbit Serum	0.2 mL	○	NN	1000-fold dilution	NT	—	Confirmed by reaction with Human and Rat Periphera Nerve

Code No.	Name	Volume	IHC	Pretreatment	IHC Conc.	*WB/DB	WB/DB Conc.	Specificity and comments
■ sAPP (soluble β - Amyloid Precursor Protein) Antidodies								
11090	Anti-Human APP (N) (10D1) Mouse IgG MoAb	100 ug		IP 3 ug/mL		○	2 ug/mL (ECL)	Non cross-reacts with Mouse. This antibody can detect all isoforms of APP695, APP751 and APP770, and soluble APP (sAPP α and β).
18961	Anti-Human APP (C) Rabbit IgG Affinity Purify	100 ug		IP 3 ug/mL		○	1~2 ug/mL (ECL)	Cross-reacts with Mouse and Rat. All isoforms (APP695, APP751, APP770) are detectable. Non-crossreacts to sAPP α and sAPP β
11088	Anti-Human sAPP α (2B3) Mouse IgG MoAb	100 ug		IP 3 ug/mL		○	2~5 ug/mL (ECL)	Non-Cross reacts to full-length APP and sAPP β Cross-reacts with Mouse and Rat.
18957	Anti-Human sAPP β -Wild Type Rabbit IgG Affinity Purify	100 ug		IP 3 ug/mL		○	2 ug/mL (ECL)	Can detect sAPP-Wild type which is cleaved by β -secretase. Non-crossreacts with sAPP α and full-length APP
10321	Anti-Human sAPP β -sw (6A1) Mouse IgG MoAb	100 ug		ICC 5 ug/mL		○	5 ug/mL (ECL)	Specific for soluble β Amyloid Precursor Protein of Swedish type cleaved by β -secretase. Can not cross reacts with not only the cleaved soluble β Amyloid Precursor Protein of wild type but also the full length APP of both Swedish and wild types.

■ Amyloid β Antidodies								
10323	Anti-Human Amyloid β (N) (82E1) Mouse IgG MoAb	50 uG	○	※ 1 Formic Acid	1 ug/mL	○	1 ug/mL (ECL)	Human Amyloid β N-terminal specific. Reacts with both soluble and fibrillar A β to a similar degree. Non reacts with non-cleaved APP. Non cross reacts with mouse and rat.
18584	Anti-Human Amyloid β (N) Rabbit IgG Affinity Purify	100 uG	○	※ 1 Formic Acid	1~5 ug/m	○	5 ug/mL (ECL)	Reacts with all of Human Amyloid β (1-40), (1-42) and (1-43)
10027	Anti-Human Amyloid β (11-28) (12B2) Mouse IgG MoAb	50 uG 5 uG	○	※ 1 Formic Acid	0.25~1 ug/mL	○	2~5 ug/mL (ECL)	Reacts with Human Amyloid β (1-40), (1-42), and (1-43)
18583	Anti-Human Amyloid β (1-43) Rabbit IgG Affinity Purify	50 uG	○	※ 1 Formic Acid	1~5 ug/mL	○	5 ug/mL (ECL)	Human Amyloid β (1-43) specific. Non-cross react with Human Amyloid β (1-40) and (1-42)
18582	Anti-Human Amyloid β (1-42) Rabbit IgG Affinity Purify	50 uG	○	※ 1 Formic Acid	1~5 ug/mL	○	5 ug/mL (ECL)	Human Amyloid β (1-42) specific. Non-cross reacts with Human Amyloid β (1-40) and (1-43).
10047	Anti-Human Amyloid β (35-40) (1A10) Mouse IgG MoAb	50 uG	○	Formic Acid	1~2 ug/mL	○	1~2 ug/mL (ECL)	Human Amyloid β (1-40) specific. Cross reacts with mouse and rat.
10045	Anti-Human Amyloid β (N3pE) (8E1) Mouse IgG MoAb	50 uG 5 uG	○	Formic Acid	0.5~1 ug/mL	○	0.5 ug/mL (ECL)	Human Amyloid β (N3pE) specific. Non-cross reacts with Human Amyloid β (1-40), (1-42) and (1-439)
18591	Anti-Human Amyloid β (N3pE) Rabbit IgG Affinity Purify	50 uG	○	Formic Acid	1~2 ug/m	○	1~5 ug/mL (ECL)	Human Amyloid β (N3pE) specific. Non-cross reacts with Human Amyloid β (1-40), (1-42) and (1-43).

Code No.	Name		Volume	Assay Range	sample Volume	Intended use	
■ α 2,6-Sialyltransferase (ST6Gal) ELISA Kits							
27408	Rat	α 2, 6-Sialyltransferase (E41 Form)	Assay Kit - IBL	96 Well	0.31 ~ 20 ng/mL	100 uL	Serum / EDTA-plasma / Cell culture media
■ sAPP (soluble β - Amyloid Precursor Protein) ELISA Kits							
27722	Human	sAPP β - Wild Type	Assay Kit - IBL	96 Well	0.39 ~ 25 ng/mL	100 uL	Cerebrospinal fluid / Cell culture media
27723	Human	sAPP β - Swedish Type	Assay Kit - IBL	96 Well	0.39 ~ 25 ng/mL	100 uL	Cell culture media
27724	Human	sAPP α	Assay Kit - IBL	96 Well	0.39 ~ 25 ng/mL	100 uL	Cerebrospinal fluid / Cell culture media
■ Amyloid β ELISA Kits							
27711	Human	Amyloid β (1-42)	Assay Kit - IBL	96 Well	12.5 ~ 800 pg/mL (2.8 ~ 177.4 pmol/L)	100 uL	Cerebrospinal fluid / Cell culture media / Extract from brain tissue
27712	Human	Amyloid β (1-42) (N)	Assay Kit - IBL	96 Well	6.25 ~ 400 pg/mL (1.4 ~ 88.7 pmol/L)	100 uL	Cerebrospinal fluid / Cell culture media / Extract from brain tissue
27713	Human	Amyloid β (1-40)	Assay Kit - IBL	96 Well	7.81 ~ 500 pg/mL (1.8 ~ 115.5 pmol/L)	100 uL	EDTA-plasma / Cerebrospinal fluid / serum / Cell culture media / Extract from brain tissue
27714	Human	Amyloid β (1-40) (N)	Assay Kit - IBL	96 Well	15.63 ~ 1,000 pg/mL (3.6 ~ 230.9 pmol/L)	100 uL	EDTA-plasma / Cerebrospinal fluid / serum / Cell culture media / Extract from brain tissue
27718	Human	Amyloid β (1-40) (FL)	Assay Kit - IBL	96 Well	1.56 ~ 100 pg/mL (0.36 ~ 230.9 pmol/L)	100 uL	EDTA-plasma / Cerebrospinal fluid / serum / Cell culture media / Extract from brain tissue
27716	Human	Amyloid β (N3pE)	Assay Kit - IBL	96 Well	7.75 ~ 496 pg/mL (1.8 ~ 115 pmol/L)	100 uL	Extract from brain tissue
27729	Human	Amyloid β (1-x)	Assay Kit - IBL	96 Well	7.81 ~ 500 pg/mL (1.8 ~ 115.5 pmol/L)	100 uL	EDTA-plasma / Cerebrospinal fluid / serum / Cell culture media / Extract from brain tissue
27730	Mouse/ Rat	Amyloid β (1-40) (N)	Assay Kit - IBL	96 Well	7.81 ~ 500 pg/mL (1.84 ~ 118.1 pmol/L)	100 uL	Cell culture media / Extract from brain tissue

Code No.	Name	Volume	IHC	Pretreatment	IHC Conc.	*WB/DB	WB/DB Conc.	Specificity and comments
Nestin								
18741	Anti-Human Nestin (N1602) Rabbit IgG Affinity Purify	100 ug	○	NN	5 ug/mL	○	1~5 ug/mL (ECL)	Cross reacts with rat and mouse
NSE (Neuron Specific Enolase)								
11031	Anti-NSE (3-3-C) Mouse MoAb	1 mL	○	NN	200-fold dilution	○	200-fold dilution	15602 Anti- NSE (3-3-C) Mouse IgG MoAb Immunohist 5x1 mL (Diluted antibody)
Neurotensin								
16031	Anti-Neurotensin Rabbit Serum	0.2 mL	○	NN	500-fold dilution	NT	—	Confirmed by reaction with Human Fetal Lileum
Olig2								
18953	Anti-Human Olig2 Rabbit IgG Affinity Purify	100 ug	○	MW	0.1~1 ug/mL	○	2 ug/mL (ECL)	Cross-reacts with Mouse and Rat
ORP150 (Oxygen Regulated Protein, p150)								
10301	Anti-Human ORP150 (2F07) Mouse IgG MoAb	100 ug	○	MW	5 ug/mL	○	1 ug/mL (ECL)	Confirmed by using TG and KO mouse
Parkin								
10241	Anti-Human Parkin (1A1) Mouse IgG MoAb	100 ug	×	—	—	○	1 ug/mL (ECL)	Can use for immunoprecipitation at about 3 ug/mL
10243	Anti-Human Parkin (5A1) Mouse IgG MoAb	100 ug	○	MW	5 ug/mL	○	5 ug/mL (ECL)	Can use for immunoprecipitation at about 3 ug/mL
Presenilin-1								
10151	Anti-Human Presenilin-1 (17C2) Mouse IgG MoAb	200 ug	○	Formic Acid+MW	10 ug/mL	○	5 ug/mL (ECL)	Not reacts with Human Presenilin-2 Antigen is a portion of N-terminus
Prion Protein								
18631	Anti-Human Prion Protein (C) Rabbit IgG Affinity Purify	100 ug	○	H.A ※ 3	1~2 ug/mL	○	0.5~1 ug/mL (ECL)	Antigen is a portion of C-terminus
18635	Anti-Human Prion Protein (N) Rabbit IgG Affinity Purify	50 ug	○	H.A ※ 3	0.5~1 ug /mL	○	0.5 ug/mL (ECL)	Antigen is a portion of N-terminus
S-100 Protein								
10097	Anti- S-100 Protein (2A10) Mouse Ascites MoAb	0.5 mL	○	NN	200-fold dilution	NT	—	React to β -chain of Bovine and Human S-100 protein
11071	Anti- S-100 Protein (2A10) Mouse IgG MoAb	1 mL	○	NN	2~5 ug/mL	○	2~5 ug/mL (ECL)	IHC: SAB Method
16002	Anti- S-100 Protein Rabbit IgG Affinity Purify	0.2 mL	○	NN	40-fold dilution	NT	—	React to α and β -chain of Bovine and Human S-100 protein
16001	Anti- S-100 Protein Rabbit Serum	0.2 mL	○	NN	1000-fold dilution	NT	—	React to α and β -chain of Bovine and Human S-100 protein
Septin								
18987	Anti-Human Septin 4 (N) Rabbit IgG Affinity Purify	100 ug	○	NN	1~5 ug/mL	○	1~5 ug/mL (ECL)	Cross-reacts with Mouse and Rat
18989	Anti-Human Septin 4 (C) Rabbit IgG Affinity Purify	100 ug	○	NN	1~5 ug/mL	○	1~5 ug/mL (ECL)	Cross-reacts with Mouse and Rat
18991	Anti-Human Septin 7 (C) Rabbit IgG Affinity Purify	100 ug	○	NN	1~5 ug/mL	○	0.1~1 ug/mL (ECL)	Cross-reacts with Mouse and Rat. Can use for immunoprecipitation at about 1~5 ug/mL
Substance P								
16061	Anti-Substance P Rabbit Serum	0.2 mL	NT	—	400-fold dilution (Only Frozen)	NT	—	Confirmed by reaction with Rat Duodenum. IHC: Only frozen sections are tested
Synaptotagmin IV								
18977	Anti-Synaptotagmin IV Rabbit IgG Affinity Purify	100 ug		ICC 5 ug/mL IP 5~10ug/mL		○	1~5 ug/mL (ECL)	Cross-react with mouse and rat Synaptotagmin IV. Not cross-react with the other members of synaptotagmin family
Tau								
18721	Anti-Human Tau Protein Rabbit IgG Affinity Purify	100 ug	○	※ 1 Formic Acid	5 ug/mL	○	5 ug/mL (ECL)	Reacts with Tau isoforms of Tau 352, Tau 383, Tau 381, Tau 412, Tau 410 and Tau 441
10233	Anti-Human Tau/Amino Junction (9A1) Mouse IgG MoAb	100 ug	○	Formic Acid	1 ug/mL	○	1 ug/mL (ECL)	Reacts with Tau isoforms of Tau352 and Tau383
10235	Anti-Human Tau/E2 Junction (1A1) Mouse IgG MoAb	100 ug	○	Formic Acid	2 ug/mL	○	1~5 ug/mL (ECL)	Reacts with Tau isoforms of Tau381 and Tau412
10237	Anti-Human Tau/Repeat Domain (2B11) Mouse IgG MoAb	100 ug	○	Formic Acid	5 ug/mL	○	3~5 ug/mL (ECL)	Reacts with Tau isoforms of Tau 352, Tau 383, Tau 381, Tau 412, Tau 410 and Tau 441
α-Synuclein								
18671	Anti-Human α -Synuclein (S122) Rabbit IgG Affinity Purify	100 ug	○	MW	2 ug /mL	○	0.5~2 ug/mL (ECL)	Cross reacts with Rat α -Synuclein Antigen is a portion of C-terminus
α 2,6-Sialyltransferase								
18983	Anti-Rat soluble α 2,6-Sialyltransferase (rST6Gall-E41) Rabbit IgG Affinity Purify	100 ug	NT	—	—	○	1~5 ug/mL (ECL)	Non-crossreacts with Human and Mouse
18985	Anti-Rat α 2,6-Sialyltransferase (rST6Gall) Rabbit IgG Affinity Purify	100 ug	NT	—	—	○	1~5 ug/mL (ECL)	Cross-reacts with Human and Mouse
β-Endorphin								
16051	Anti-Human β -Endorphin Rabbit Serum	0.2 mL	*	—	500-fold dilution	NT	—	* For bouin foxed paraffin embedded tissues

※ 1. Formic Acid : Pretreatment by putting the deparaffinized section into formic acid for 5 min.

※ 2. Bouin fixed paraffin embedded tissue

※ 3. HA: Pretreatment by autoclaving (at 121°C for 10min) the deparaffinized section into 1mM HCl

*Abbreviation: IHC: Immunohistochemistry for formalin fixed paraffin embedded tissues, IP: Immunoprecipitation, ICC: Immunocytochemistry,

MW: Microwave pretreatment, HA: Hydrolytic autoclave pretreatment, WB/DB: Western blotting/Dot blotting, NN: Not necessary, NT: Not tested



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