

A protein increasing in some diseases including iNPH, diabetes and cancer.

For-Non Clinical Research Use Only

LRG (leucine-rich alpha-2-glycoprotein)

One of serum protein, LRG (leucine-rich alpha-2-glycoprotein) is the first protein which has been reported to have leucine-rich motifs in it, and human LRG was sequenced in 1985.

Though its physiological functions have not been clarified yet, LRG attracts attention as a protein which shows a significant increase in some diseases like iNPH (idiopathic normal pressure hydrocephalus), diabetes and pancreatic cancer.

This ELISA kit can measure human LRG in CSF, blood and urine.

Idiopathic normal pressure hydrocephalus (iNPH) and Dementia

Idiopathic normal pressure hydrocephalus (iNPH) indicates a clinical state showing gait disorder, dementia and acraturosis from enlarged ventricles in spite of normal cerebrospinal pressure. It is estimated that about 5 % of demented patients are caused by iNPH. In CSF of iNPH patients, LRG tends to increase (ref. 1).

It has become possible to distinguish iNPH from neurodegenerative diseases such as Alzheimer's disease by measuring LRG in CSF. Thus, early diagnosis and therapy of iNPH are expected to lead to the improvement of patient's prognosis.

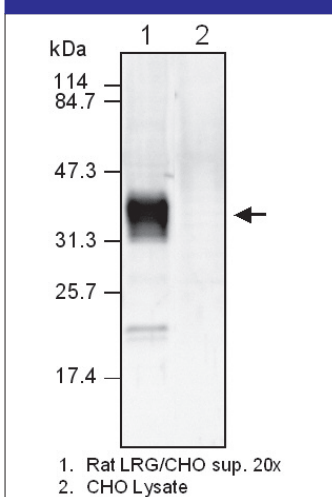
LRG ELISA Kit

Code No.	Name	Volume	Assay Range	Incubation	Application
27769	Human LRG Assay Kit - IBL	96 Well	1,56 ~ 100 ng/mL	1st : 4°C, Overnight 2nd : 37°C, 30 min.	CSF, Serum, EDTA-plasma, Urine

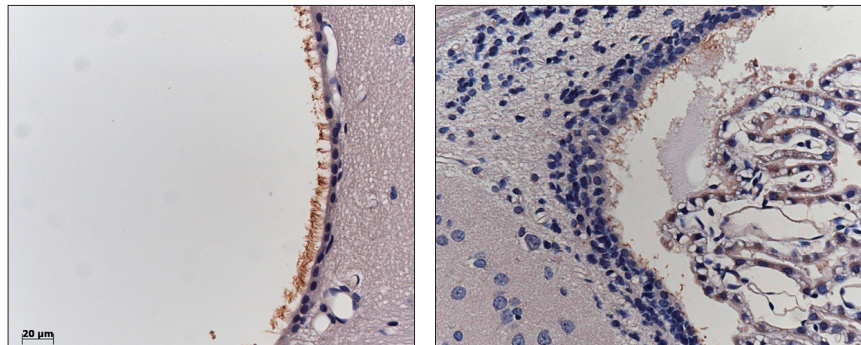
LRG Antibody

Code No.	Name	Volume	Application	Specificity
28069	Anti-Rat LRG (128) Rabbit IgG Affinity Purify	100 µL	IHC, WB	rat LRG specific
		10 µL		

WB



IHC (Rat choroid plexus and round ventricle)



This antibody shows positive signals with choroids plexus cells and cilia of ependymal cells of rat.

Reference :

- Li X, Miyajima M, Mineki R, Taka H, Murayama K, Arai H. Analysis of potential diagnostic biomarkers in cerebrospinal fluid of idiopathic normal pressure hydrocephalus by proteomics. *Acta Neurochir (Wien)*. 2006 Aug;148(8):859-64

Manufacturer :

Immuno-Biological Laboratories Co., Ltd.

5-1 Aramachi, Takasaki-shi, Gunma 370-0831, JAPAN
TEL: 027-310-8040
FAX: 027-310-8045
E-mail: do-ibl@ibl-japan.co.jp
URL: <http://www.ibl-japan.co.jp>



US Distributor:

IBL-America

8201 Central Ave NE, Suite P
Minneapolis, MN 55432
Tel: 888-523-1246 Fax: 763-780-2988
Email: sales@ibl-america.com
Web: www.ibl-america.com

