Product information

Monoclonal anti-human EPHA2 antibody (clone AT66G9)

Mouse IgG_{2b}, κ

Cat. No. IBATGA0441

Immunogen: Recombinant human EPHA2 (27-537aa) purified from *E. coli*

NCBI Accession No.: NP_004422

Isotype: Mouse IgG_{2b} heavy chain and κ light chain

Clone: Anti-human EPHA2 mAb, clone AT66G9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human EPHA2 protein.

Description: EPHA2, also known as ephrin type-A receptor 2, is a member of the ephrin receptor subfamily of the protein-tyrosine kinase family. It is implicated as positional labels that may guide the development of neural topographic maps. It has also been found implicated in embryonic patterning, neuronal targeting, vascular development and adult neovascularization.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis, Flow cytometry and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Application: ELISA, WB, Flow cytometry, ICC/IF

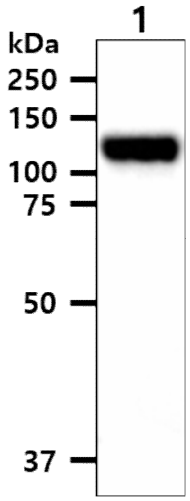
Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com

Product information

Western blot analysis

The cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EPHA2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

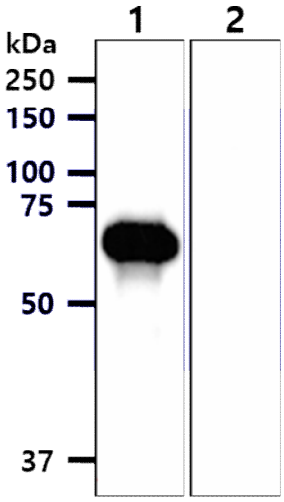
Lane 1 : PC3 cell lysate



Western blot analysis

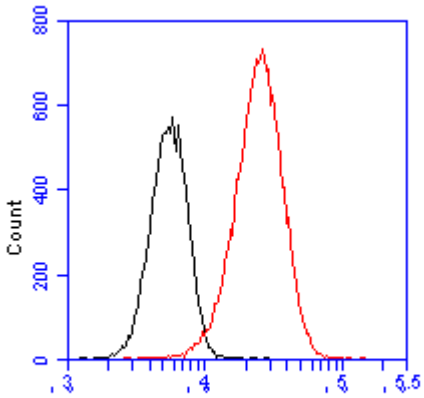
Recombinant proteins (20ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human EPHA2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1 : Recombinant human EPHA2 extracellular domain
Lane 2 : Recombinant human EPHA2 cytoplasmic domain



Flow cytometry

Flow cytometry analysis of EPHA2 in HeLa cell line, staining at 2-5ug for 1x10^{6}cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



Alexa488-anti-EPHA2

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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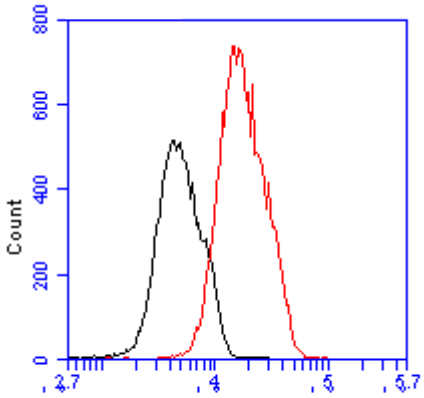
Flow cytometry

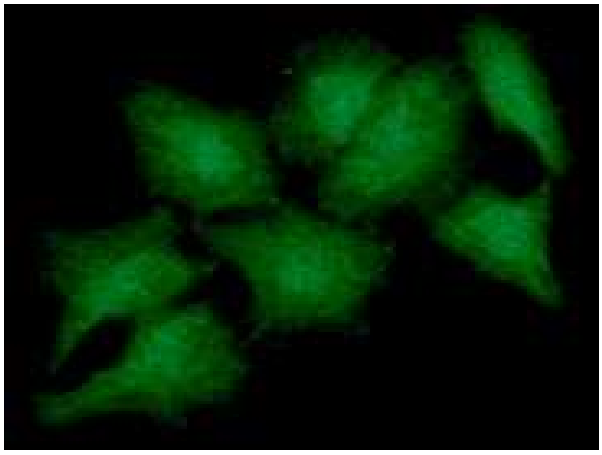
Flow cytometry analysis of EPHA2 in A431 cell line, staining at 2-5ug for 1x10^{6}cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).



Alexa488-anti-EPHA2

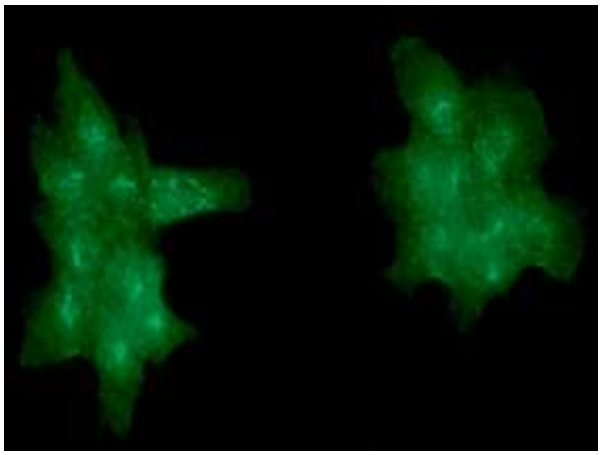
ICC/IF analysis

ICC/IF analysis of EPHA2 in HeLa cell line, stained monoclonal anti-human EPHA2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



ICC/IF analysis

ICC/IF analysis of EPHA2 in A431 cell line, stained monoclonal anti-human EPHA2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



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General references: Flanagan JG., *et al.* (1998) *Annu Rev Neurosci*. **21:** 309-345.

Cheng N., *et al.* (2002) *Cytokine Growth Factor Rev*. **13:** 75-85.

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