

Anti-Ephrin A3 Antibody

Catalog # AP51179

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P52797
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26350

Additional Information

Gene ID	1944
Other Names	EFL2; EPLG3; LERK3; Ephrin-A3; EFL-2; EHK1 ligand; EHK1-L; EPH-related receptor tyrosine kinase ligand 3; LERK-3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Ephrin A3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	EFNA3
Synonyms	EFL2, EPLG3, LERK3
Function	Cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. Binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling (By similarity).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor.
Tissue Location	Expressed in brain, skeletal muscle, spleen, thymus, prostate, testis, ovary, small intestine, and peripheral blood leukocytes

References

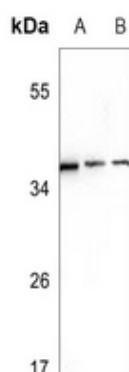
Kozlosky C.J., et al. *Oncogene* 10:299-306(1995).

Davis S., et al. *Science* 266:816-819(1994).

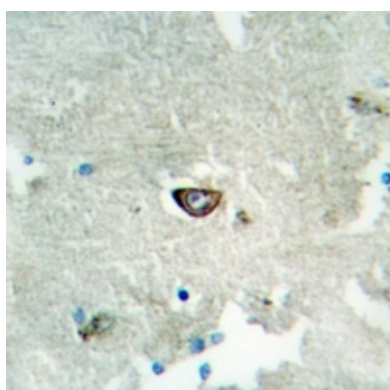
Gregory S.G., et al. *Nature* 441:315-321(2006).

Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

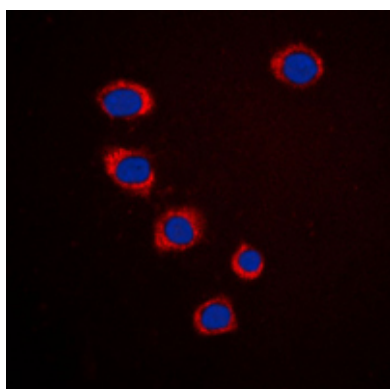
Images



Western blot analysis of Ephrin A3 expression in U87MG (A), HeLa (B), C6 (C) whole cell lysates. (Predicted band size: 26 kD; Observed band size: 40 kD)



Immunohistochemical analysis of Ephrin A3 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Ephrin A3 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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