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Ephrin A3 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51179

Product Information

Application	WB, ICC
Primary Accession	P52797
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26350

Additional Information

Gene ID	1944
Other Names	Ephrin-A3, EFL-2, EHK1 ligand, EHK1-L, EPH-related receptor tyrosine kinase ligand 3, LERK-3, EFNA3, EFL2, EPLG3, LERK3
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~~1:1000 ICC~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
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

Background

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).

References

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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.