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Ephrin B3 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51181

Product Information

Application	WB, ICC
Primary Accession	Q15768
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35835

Additional Information

Gene ID	1949
Other Names	Ephrin-B3, EPH-related receptor transmembrane ligand ELK-L3, EPH-related receptor tyrosine kinase ligand 8, LERK-8, EFNB3, EPLG8, LERK8
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	EFNB3
Synonyms	EPLG8, LERK8
Function	Cell surface transmembrane 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. May play a pivotal role in forebrain function. Binds to, and induce the collapse of, commissural axons/growth cones in vitro. May play a role in constraining the orientation of longitudinally projecting axons (By similarity).
Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Highly expressed in brain; expressed in embryonic floor plate, roof plate and hindbrain segments

Background

Cell surface transmembrane 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. May play a pivotal role in forebrain function. Binds to, and induce the collapse of, commissural axons/growth cones in vitro. May play a role in constraining the orientation of longitudinally projecting axons (By similarity).

References

Cerretti D.P.,et al.Submitted (JUL-1996) to the EMBL/GenBank/DDBJ databases.
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Gale N.W.,et al.Oncogene 13:1343-1352(1996).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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