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Ephrin B3 Rabbit pAb

Catalog # AP99656

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q15768
Other Accession	Q15768
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35835
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Ephrin B3
Epitope Specificity	31-130/340
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ephrin family.Contains 1 ephrin RBD (ephrin receptor-binding) domain.
SUBUNIT	Interacts with GRIP1 and GRIP2. Binds to Nipah virus G protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. Tissue specificity: Highly expressed in brain; expressed in embryonic floor plate, roof plate and hindbrain segments.

Additional Information

Gene ID	1949
Other Names	EFL6; EPLG8; LERK8; EFL-6; ELF-3; Elk-L3; Epl8; LERK-8; NLERK-2; EFNB3_HUMAN; EFNB3; EPH-related receptor transmembrane ligand ELK-L3; EPH-related receptor tyrosine kinase ligand 8 (LERK-8); EFNB3_MOUSE; ephrin B3; ephrin-B3; EPH-related receptor tyrosine kinase ligand 8
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.