EFNB3 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15015

Product Information

Application	WB
Primary Accession	Q15768
Other Accession	NM_001406, NP_001397
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35835

Additional Information

Gene ID	1949
Alias Symbol	EFL6, EPLG8, LERK8
Other Names	Ephrin-B3, EPH-related receptor transmembrane ligand ELK-L3, EPH-related receptor tyrosine kinase ligand 8, LERK-8, EFNB3, EPLG8, LERK8
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-EFNB3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	EFNB3 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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

References

Cerretti D.P.,et al.Submitted (JUL-1996) to the EMBL/GenBank/DDBJ databases.
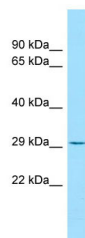Tang X.X.,et al.Genomics 41:17-24(1997).
Gale N.W.,et al.Oncogene 13:1343-1352(1996).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images

WB Suggested Anti-EFNB3 Antibody Titration: 1.0 µg/ml
Positive Control: U937 Whole Cell