

Rabbit anti-Rat Ephrin-B1 Polyclonal Antibody | anti-EFNB1 antibody

Anti-Ephrin-B1 Antibody, Rabbit Polyclonal

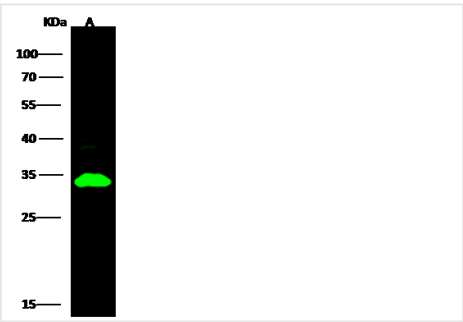
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257302	Rabbit	Rat	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

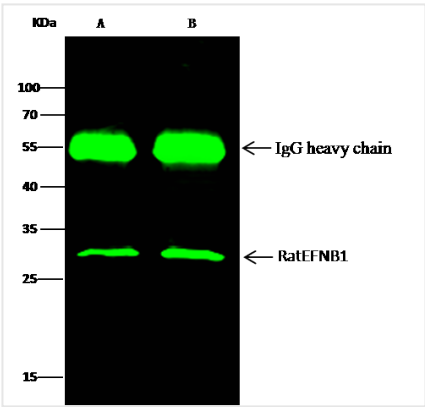
Ephrin-B1; Polyclonal Antibody; Anti-Ephrin-B1 Antibody; Rabbit Polyclonal; Ephrin-B1/EFNB1 Antibody; Rabbit PAb; Antigen Affinity Purified; ephrin-B1; anti-EFNB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat Ephrin-B1/EFNB1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-EFNB1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Rat Ephrin-B1/EFNB1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat Ephrin-B1/EFNB1. Ephrin-B1/EFNB1 specific IgG was purified by Rat Ephrin-B1/EFNB1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-EFNB1 rabbit polyclonal antibody at 1:500 dilutionLane A: mouse brain Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:38 kDaObserved band size:34 kDa



IP (Immunoprecipitation)
rat EFNB1 was immunoprecipitated using:Lane A:0.5 mg HeLa Whole Cell LysateLane B:0.5 mg HepG2 Whole Cell Lysate2 uL anti-rat EFNB1 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-rat EFNB1 rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 33 kDaObserved band size: 33 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-EFNB1 antibody	Ephrin-B1 also known as EFNB1, is a member of the ephrin family. The transmembrane-associated ephrin ligands and their Eph family of receptor tyrosine kinases are expressed by cells of the SVZ. Eph/ephrin interactions are implicated in axon guidance, neural crest cell migration, establishment of segmental boundaries, and formation of angiogenic capillary plexi. Eph receptors and ephrins are divided into two subclasses, A and B, based on binding specificities. Ephrin subclasses are further distinguished by their mode of attachment to the plasma membrane: ephrin-A ligands bind EphA receptors and are anchored to the plasma membrane via a glycosylphosphatidylinositol (GPI) linkage, whereas ephrin-B ligands bind EphB receptors and are anchored via a transmembrane domain. An exception is the EphA4 receptor, which binds both subclasses of ephrins. EphrinB1 and B class Eph receptors provide positional cues required for the normal morphogenesis of skeletal elements. Another malformation, preaxial polydactyly, was exclusively seen in heterozygous females in which expression of the X-linked ephrinB1 gene was mosaic, so that ectopic EphB-ephrinB1 interactions led to restricted cell movements and the bifurcation of digital rays.
References	Davy A, et al. (2004) Ephrin-B1 forward and reverse signaling are required during mouse development. Genes Dev. 18(5): 572-83.Compagni A, et al. (2003) Control of skeletal patterning by ephrinB1-EphB interactions. Dev Cell. 5(2): 217-30.Wieland I, et al. (2004) Mutations of the ephrin-B1 gene cause craniofrontonasal syndrome. Am J Hum Genet. 74(6): 1209-15.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1706670
NCBI GeneID	25186
UniProt Accession #	P52796
Molecular Weight	37,951 Da
NCBI Official Full Name	Ephrin-B1
NCBI Official Synonym Full Names	ephrin B1
NCBI Official Symbol	Efnb1
NCBI Official Synonym Symbols	LERK2
NCBI Protein Information	ephrin-B1; ELK-L; LERK-2; ELK ligand; EPH-related receptor tyrosine kinase ligand 2
UniProt Protein Name	Ephrin-B1

UniProt Gene Name	Efnb1
UniProt Synonym Gene Names	Eplg2; Lerk2; ELK-L; LERK-2
UniProt Entry Name	EFNB1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ephrin-b1-antibody-immunoprecipitation-western-blot-elisa/257302>