

Rabbit Ephrin B1/B2/B3 Polyclonal Antibody | anti-EFNB1 antibody

Phospho-Ephrin B1/B2/B3 (Tyr324) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327652	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Ephrin B1/B2/B3; Polyclonal Antibody; Phospho-Ephrin B1/B2/B3 (Tyr324) Antibody; CFND; CFNS; Craniofrontonasal syndrome (craniofrontonasal dysplasia); EFL 3; EFL-3; EFL3; EFNB1; EFNB1_HUMAN; Elk L; ELK ligand; ELK-L; Eph related receptor tyrosine kinase ligand 2; EPH-related receptor tyrosine kinase ligand 2; Ephrin-B1; EPLG2; LERK 2; LERK-2; LERK2; Ligand of eph related kinase 2; MGC8782; EFN B2; EFNB 2; Efnb2; EFNB2_HUMAN; Eph related receptor tyrosine kinase ligand 5; EPH-related receptor tyrosine kinase ligand 5; ephrin B2; Ephrin-B2; EphrinB2; EPLG 5; EPLG5; Htk L; HTK ligand; HTK-L; HTKL; LERK 5; LERK-5; LERK5; Ligand of eph related kinase 5; MGC126226; MGC126227; MGC126228; OTTMUSP00000024973; EFL 6; EFL6; EFNB 3; Efnb3; EFNB3_HUMAN; EPH related receptor transmembrane ligand ELK L3; EPH related receptor transmembrane ligand ELKL3; EPH related receptor tyrosine kinase ligand 8; EPH-related receptor transmembrane ligand ELK-L3; EPH-related receptor tyrosine kinase ligand 8; Ephrin B3; Ephrin-B3; EphrinB3; EPLG 8; EPLG8; LERK 8; LERK-8; LERK8; anti-EFNB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Ephrin B1/B2/B3 (Tyr324) antibody detects endogenous levels of Ephrin B1/B2/B3 only when phosphorylated at Tyr324
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	346
Applicable Applications for anti-EFNB1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Phospho-Ephrin B1/B2/B3 (Tyr324)
Subcellular Location	Membrane.
Tissue Specificity	Heart, placenta, lung, liver, skeletal muscle, kidney, pancreas.
Conjugation	Unconjugated
Epitope	Phospho Tyr324
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327652 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Phospho-Ephrin B1/B2/B3 (Tyr324) using NIH-3T3 whole cell lysates



IF (Immunofluorescence)
AAA327652 staining K562 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-EFNB1 antibody	Function: Binds to the receptor tyrosine kinases EPHB1 and EPHA1. 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). Subunit Structure: Interacts with GRIP1 and GRIP2. Interacts with TLE1. Post-translational Modifications: Inducible phosphorylation of tyrosine residues in the cytoplasmic domain. Similarity: Belongs to the ephrin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758248
NCBI GeneID	1947
NCBI Accession #	NP_004420.1
NCBI GenBank Nucleotide #	NM_004429.4
UniProt Accession #	P98172; D3DVU0
Molecular Weight	Observed: 38 kDa Predicted: 39 kDa
NCBI Official Full Name	ephrin-B1
NCBI Official Synonym Full Names	ephrin B1
NCBI Official Symbol	EFNB1
NCBI Official Synonym Symbols	CFND; CFNS; EFB1; EFL3; EPLG2; Elk-L; LERK2
NCBI Protein Information	ephrin-B1
UniProt Protein Name	Ephrin-B1
UniProt Gene Name	EFNB1
UniProt Synonym Gene Names	EFL3; EPLG2; LERK2; ELK-L; LERK-2

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.

