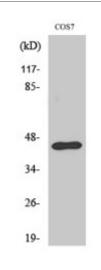


Anti-Ephrin-B1 antibody



Description

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Rabbit polyclonal to Ephrin-B1.

Model STJ92959

Host Rabbit

Reactivity Human, Mouse, Rat, Simian

Applications ELISA, WB

Immunogen Synthesized peptide derived from human Ephrin-B1 around the non-

phosphorylation site of Y317.

Immunogen Region 260-340 aa

Gene ID <u>1947</u>

Gene Symbol <u>EFNB1</u>

Dilution range WB 1:500-1:2000ELISA 1:40000

Specificity Ephrin-B1 Polyclonal Antibody detects endogenous levels of Ephrin-B1

protein.

Tissue Specificity Heart, placenta, lung, liver, skeletal muscle, kidney, pancreas.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Ephrin-B1 EFL-3 ELK ligand ELK-L EPH-related receptor tyrosine kinase

ligand 2 LERK-2

Molecular Weight 38 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links HGNC:3226OMIM:300035

Alternative Names Ephrin-B1 EFL-3 ELK ligand ELK-L EPH-related receptor tyrosine kinase

ligand 2 LERK-2

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 . 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. Binds to the receptor tyrosine kinases EPHB3 (preferred), 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.

Cellular Localization Membrane. Single-pass type I membrane protein.

Post-translational Modifications

Inducible phosphorylation of tyrosine residues in the cytoplasmic domain.

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