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Immunotag™ Phospho-EFNB1/2 (Tyr330) Antibody

Antibody Specification

Catalog No.	ITA1112
Product Description	Immunotag™ Phospho-EFNB1/2 (Tyr330) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-EFNB1/2 (Tyr330)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human EFNB1/2 around the phosphorylation site of Tyrosine 330
Specificity	Phospho-EFNB1/2 (Tyr330) Antibody detects endogenous levels of EFNB1/2 only when phosphorylated at Tyrosine 330
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	EFNB2
Accession No.	P52799

Antibody Specification

Alternate Names	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;
Description	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 receptor tyrosine kinase including EPHA4, EPHA3 and EPHB4. Together with EPHB4 plays a central role in heart morphogenesis and angiogenesis through regulation of cell adhesion and cell migration. EPHB4-mediated forward signaling controls cellular repulsion and segregation from EFNB2-expressing cells. May play a role in constraining the orientation of longitudinally projecting axons.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	37kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.