Ephrin-B2 (EFNB2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Ephrin-B2 (EFNB2), Polyclonal Antibody
Full Product Name	Ephrin-B2 (Phospho-Tyr330) Polyclonal Conjugated Antibody
Product Gene Name	anti-EFNB2 antibody
Product Synonym Names	Ephrin-B2 (Phospho-Tyr330) Conjugated Antibody; HTKL; EPLG5; Htk-L; LERK5; MGC126226
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of Ephrin-B2 only when phosphorylated at tyrosine 330.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	333
Chromosome Location	Chromosome: 13; NC_000013.10 (107142079..107187388, complement). Location: 13q33
OMIM	600527
3D Structure	ModBase 3D Structure for P52799
Immunogen	Peptide sequence around phosphorylation site of tyrosine 330 (N-I-Y (p)-Y-K) derived from Human Ephrin-B2
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-EFNB2 antibody	Most Applications
Application Notes for anti-EFNB2 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-EFNB2 antibody	Adducins are a family of cytoskeleton proteins encoded by three genes (alpha, beta, gamma). Adducin is a heterodimeric protein that consists of related subunits, which are produced from distinct genes but share a similar structure. Alpha- and beta-adducin include a protease-resistant N-terminal region and a protease-sensitive, hydrophilic C-terminal region. Alpha- and gamma-adducins are ubiquitously expressed. In contrast, beta-adducin is expressed at high levels in brain and hematopoietic tissues. Adducin binds with high affinity to Ca (2+)/calmodulin and is a substrate for protein kinases A and C. Alternative splicing results in multiple variants encoding distinct isoforms; however, not all variants have been fully described.
Other Notes	Small volumes of anti-EFNB2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for EFNB2 purchase	MBS9437049 is an antibody targeting EFNB2. Also known as Ephrin-B2 (Phospho-Tyr330) Polyclonal Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFNB2. It may not necessarily be applicable to this product.

NCBI GI #	4758250
NCBI GeneID	1948
NCBI Accession #	NP_004084.1
UniProt Primary Accession #	P52799
UniProt Secondary Accession #	Q5JV56
UniProt Related Accession #	P52799
GenBank Nucleotide #	NM_004093.2
NCBI Official Full Name	ephrin-B2
NCBI Official Synonym Full Names	ephrin-B2
NCBI Official Symbol	EFNB2
NCBI Official Synonym Symbols	HTKL; EPLG5; Htk-L; LERK5
UniProt Protein Name	Ephrin-B2
UniProt Synonym Protein Names	EPH-related receptor tyrosine kinase ligand 5; LERK-5; HTK ligand
Protein Family	Ephrin
UniProt Gene Name	EFNB2
UniProt Synonym Gene Names	EPLG5; HTKL; LERK5; LERK-5; HTK-L
UniProt Entry Name	EFNB2_HUMAN
NCBI Protein Information	ephrin-B2; LERK-5; HTK ligand; ligand of eph-related kinase 5; eph-related receptor tyrosine kinase ligand 5
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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