Ephrin A4 (EFNA4) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Ephrin A4 (EFNA4), Polyclonal Antibody
Full Product Name	Biotin-Linked Polyclonal Antibody to Ephrin A4 (EFNA4)
Product Gene Name	anti-EFNA4 antibody
Product Synonym Names	EFL4; EPLG4; LERK4; EPH-related receptor tyrosine kinase ligand 4
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Rat
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: EFNA4 (MBS2006811) Biotin Conjugated Antibody: EFNA4 (MBS2095648)
Matching Pairs	Biotin Conjugated Antibody: EFNA4 (MBS2095648) Immunogen: EFNA4 (MBS2012093)
Molecular Weight	22,861 Da
3D Structure	ModBase 3D Structure for O08542
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Conjugation	Biotin
Cross Reactivity	Rat
Immunogen	EFNA4 (Met1~Leu204)
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-EFNA4 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-EFNA4 antibody	MBS2095648 is an antibody targeting EFNA4. Also known as Biotin-Linked Polyclonal Antibody to Ephrin A4 (EFNA4). Reactive in Rat. Host: Rabbit.
Other Notes	Small volumes of anti-EFNA4 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFNA4. It may not necessarily be applicable to this product.

NCBI GI #	110835739
NCBI GeneID	13639
NCBI Accession #	NP_031936.2
UniProt Primary Accession #	O08542
UniProt Secondary Accession #	O55218

UniProt Related Accession #	O08542
GenBank Nucleotide #	NM_007910.2
NCBI Official Full Name	ephrin-A4
NCBI Official Synonym Full Names	ephrin A4
NCBI Official Symbol	Efna4
NCBI Official Synonym Symbols	Epl4; EFL-4; LERK-4
UniProt Protein Name	Ephrin-A4
UniProt Synonym Protein Names	EPH-related receptor tyrosine kinase ligand 4; LERK-4
Protein Family	Ephrin
UniProt Gene Name	Efna4
UniProt Synonym Gene Names	Epl4; Eplg4; Lerk4; LERK-4
NCBI Protein Information	ephrin-A4
UniProt Comments for EFNA4	EFNA4: Cell surface GPI-bound 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. May play a role in the interaction between activated B-lymphocytes and dendritic cells in tonsils. Belongs to the ephrin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Ligand, receptor tyrosine kinase; Membrane protein, GPI anchor Chromosomal Location of Human Ortholog: 3 F1|3 39.07 cM Cellular Component: membrane; plasma membrane Molecular Function: ephrin receptor binding Biological Process: axon guidance; bone remodeling; ephrin receptor signaling pathway; osteoclast differentiation
Research Articles on EFNA4	**1.** In a model of temporal lobe epilepsy, Ephrin-A4 and Ephrin-A5 increase in the hippocampus in a spatiotemporal course.
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