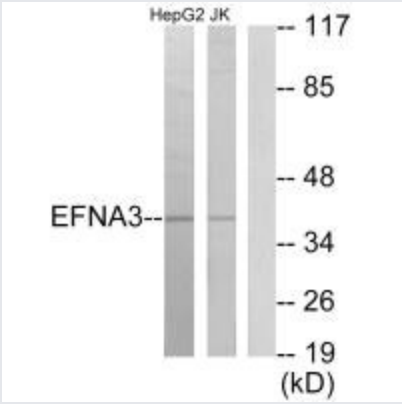
EFNA3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EFNA3, Polyclonal Antibody
Full Product Name	EFNA3 Antibody
Product Gene Name	anti-EFNA3 antibody
Product Synonym Names	Ephrin-A3 [Precursor]; EPH-related receptor Tyrosine kinase ligand 3; LERK-3; EHK1 ligand; EHK1-L
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; Rabbit IgG In Phosphate Buffered Saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	26,350 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (155051348..155060014). Location: 1q21-q22
OMIM	601381
3D Structure	ModBase 3D Structure for P52797
Immunogen	Synthesized peptide derived from C-terminal of human EFNA3.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-EFNA3 antibody	Cardiovascular
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EFNA3 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-EFNA3 antibody	WB: 1:500-1:3000
Related Product Information for anti-EFNA3 antibody	MBS7130819 is an antibody targeting EFNA3. Also known as EFNA3 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-EFNA3 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.



Western Blot (WB) of anti-EFNA3 antibody
Western blot analysis of extracts from HepG2 cells and Jurkat cells, using EFNA3 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EFNA3. It may not necessarily be applicable to this product.

NCBI GI #	4826708
NCBI GeneID	1944
NCBI Accession #	NP_004943.1
UniProt Primary Accession #	P52797
UniProt Secondary Accession #	Q0VGC9; Q5SR70; D3DV85
UniProt Related Accession #	P52797
GenBank Nucleotide #	NM_004952.4
NCBI Official Full Name	ephrin-A3
NCBI Official Synonym Full Names	ephrin-A3
NCBI Official Symbol	EFNA3
NCBI Official Synonym Symbols	EFL2; EPLG3; LERK3; Ehk1-L
UniProt Protein Name	Ephrin-A3
UniProt Synonym Protein Names	EFL-2; EHK1 ligand; EHK1-L; EPH-related receptor tyrosine kinase ligand 3
Protein Family	Ephrin
UniProt Gene Name	EFNA3
UniProt Synonym Gene Names	EFL2; EPLG3; LERK3; EHK1-L; LERK-3
UniProt Entry Name	EFNA3_HUMAN
NCBI Protein Information	ephrin-A3; EFL-2; LERK-3; EHK1 ligand; ligand of eph-related kinase 3; eph-related receptor tyrosine kinase ligand 3
NCBI Summary for EFNA3	This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. This gene encodes an EFNA class ephrin. [provided by RefSeq, Jul 2008]

UniProt Comments for EFNA3	EFNA3: 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. 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. Belongs to the ephrin family. Protein type: Ligand, receptor tyrosine kinase; Membrane protein, GPI anchor; Cell development/differentiation Chromosomal Location of Human Ortholog: 1q21-q22 Cellular Component: integral to plasma membrane; plasma membrane; extracellular region Molecular Function: ephrin receptor binding; transmembrane-ephrin receptor activity Biological Process: axon guidance; cell-cell signaling; ephrin receptor signaling pathway
Research Articles on EFNA3	**1.** EphA3 mutants with constitutively-released kinase domains efficiently support shedding, even when their kinase is disabled. Our data suggest that this phosphorylation-activated conformational switch of EphA3 directly controls ADAM-mediated shedding.
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