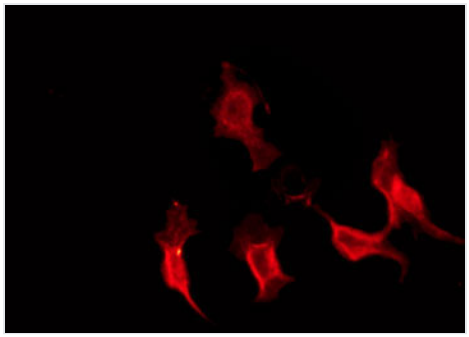
EFNA3 Antibody – Rabbit Polyclonal

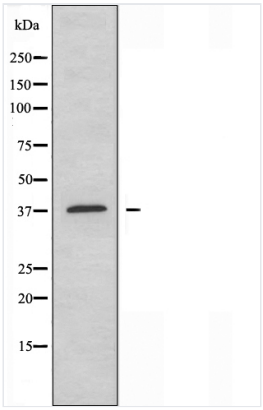
PRODUCT OVERVIEW

Product Name	EFNA3, Polyclonal Antibody
Full Product Name	EFNA3 Antibody
Product Gene Name	anti-EFNA3 antibody
Product Synonym Names	EFL 2; EFL-2; EFL2; EFN A3; EFNA 3; Efna3; EFNA3_HUMAN; EHK1 L; EHK1 ligand; EHK1-L; EHK1L; EPH related receptor tyrosine kinase ligand 3; EPH-related receptor tyrosine kinase ligand 3; Ephrin-A3; EphrinA3; EPLG 3; EPLG3; LERK 3; LERK-3; LERK3; Ligand of eph related kinase 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Peptide affinity purification
Concentration	1mg/ml (lot specific)
Specificity	EFNA3 antibody detects endogenous levels of total EFNA3
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	Ephrin A3 peptide (MBS9623386) is used for blocking the activity of Ephrin A3 antibody (MBS9604669)
Molecular Weight	38 kD
3D Structure	ModBase 3D Structure for P52797
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human Ephrin A3,corresponding to a region within C-terminal amino acids.
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-EFNA3 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-EFNA3 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500 ELISA: 1:20000-1:40000 The optimal dilutions should be determined by the end user. IMPORTANT: for western blots, incubate membrane with diluted Ab in 5% w/v milk, 1X TBS, 0.1% Tween® at 4°C with gentle shaking, overnight.

Related Product Information for anti-EFNA3 antibody	Function: 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 (By similarity). Subunit Structure: Interacts with EPHA8; activates EPHA8. Similarity: Belongs to the ephrin family.
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.
Searchable Terms for EFNA3 purchase	MBS9604669 is an antibody targeting EFNA3. Also known as EFNA3 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunofluorescence (IF) of anti-EFNA3 antibody
MBS9604669 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blot (WB) of anti-EFNA3 antibody
Western blot analysis of extracts from HepG2 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; B7ZAD3; 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; LERK-3
Protein Family	Ephrin
UniProt Gene Name	EFNA3

UniProt Synonym Gene Names	EFL2; EPLG3; LERK3; EHK1-L; LERK-3
NCBI Protein Information	ephrin-A3
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	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 ().
Research Articles on EFNA3	**1.** E2F3 and ephrin A3 are putative targets of miR-210, and their protein expression was up-regulated in the angiosarcoma cells
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