

Rabbit EFNA1 Polyclonal Antibody | anti-EFNA1 antibody

EFNA1 Antibody

CATALOG # AAA304308	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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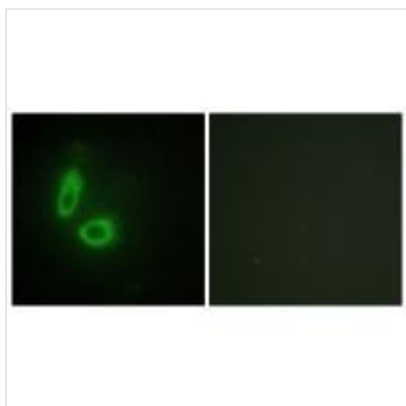
PRODUCT SYNONYMS

EFNA1; Polyclonal Antibody; EFNA1 Antibody; Ephrin-A1 [Precursor]; EPH-related receptor tyrosine kinase ligand 1; LERK-1; Immediate early response protein B61; Tumor necrosis factor; anti-EFNA1 antibody

PRODUCT SPECIFICATIONS

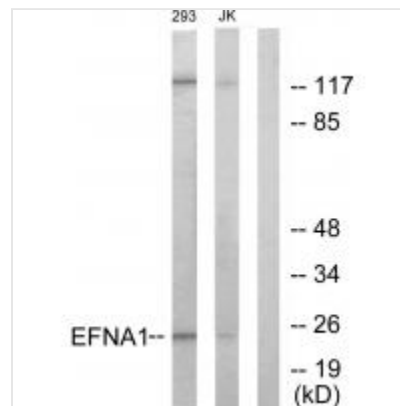
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total EFNA1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	205
Applicable Applications for anti-EFNA1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human EFNA1.
Target Name	EFNA1
Preparation and Storage	Store at -20 degree C

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells, using EFNA1 antibody.



WB (Western Blot)

Western blot analysis of extracts from 293 cells and Jurkat cells, using EFNA1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-EFNA1 antibody	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. Plays an important role in angiogenesis and tumor neovascularization. The recruitment of VAV2, VAV3 and PI3-kinase p85 subunit by phosphorylated EPHA2 is critical for EFNA1-induced RAC1 GTPase activation and vascular endothelial cell migration and assembly. Exerts anti-oncogenic effects in tumor cells through activation and down-regulation of EPHA2. Activates EPHA2 by inducing tyrosine phosphorylation which leads to its internalization and degradation. Acts as a negative regulator in the tumorigenesis of gliomas by down-regulating EPHA2 and FAK. Can evoke collapse of embryonic neuronal growth cone and regulates dendritic spine morphogenesis.Holzman L.B., Mol. Cell. Biol. 10:5830-5838(1990).Gregory S.G., Nature 441:315-321(2006).Zhang Z., Protein Sci. 13:2819-2824(2004).
Product Categories/Family for anti-EFNA1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	33359682
NCBI GeneID	1942
NCBI Accession #	NP_004419.2
NCBI GenBank Nucleotide #	NM_004428.2
UniProt Accession #	P20827; Q5SR60; Q5SR61; Q6I9T9; Q8N578; D3DV86
Molecular Weight	21,246 Da
NCBI Official Full Name	ephrin-A1 isoform a
NCBI Official Synonym Full Names	ephrin-A1
NCBI Official Symbol	EFNA1
NCBI Official Synonym Symbols	B61; EFL1; ECKLG; EPLG1; LERK1; LERK-1; TNFAIP4
NCBI Protein Information	ephrin-A1
UniProt Protein Name	Ephrin-A1
UniProt Gene Name	EFNA1
UniProt Synonym Gene Names	EPLG1; LERK1; TNFAIP4; LERK-1; TNF alpha-induced protein 4
UniProt Entry Name	EFNA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.