

Mouse EFNA2 Monoclonal Antibody | anti-EFNA2 antibody

EFNA2 antibody

CATALOG # AAA74853	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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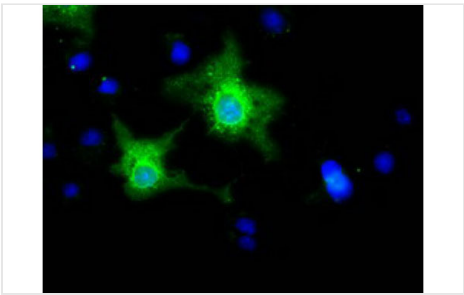
PRODUCT SYNONYMS

EFNA2; Monoclonal Antibody; EFNA2 antibody; Monoclonal EFNA2; Anti-EFNA2; EFNA 2; EFNA-2; Ephrin-A2; LERK6; EPLG6; ELF-1; EPH-related receptor tyrosine kinase ligand 6; HEK7-L; LERK-6; HEK7 ligand; anti-EFNA2 antibody

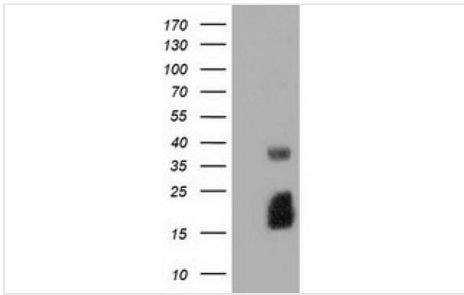
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	2 E6
Purity/Purification	EFNA2 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	213
Applicable Applications for anti-EFNA2 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	EFNA2 is a member of the ephrin family. The protein is composed of a signal sequence, a receptor-binding region, a spacer region, and a hydrophobic region. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. 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. Posttranslational modifications determine whether this protein localizes to the nucleus or the cytoplasm.
Cross-Reactivity	Human
Immunogen	EFNA2 antibody was raised in mouse using a full length recombinant protein of human EFNA2 (NP_001396) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant EFNA2 protein using EFNA2 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant EFNA2 protein (Right) or empty vector (Left) detected with EFNA2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-EFNA2 antibody	Mouse monoclonal EFNA2 antibody
Product Categories/Family for anti-EFNA2 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	27894381
NCBI GeneID	1943
NCBI Accession #	NP_001396
NCBI GenBank Nucleotide #	NM_001405.3
UniProt Accession #	O43921; O76020
Molecular Weight	23,878 Da
NCBI Official Full Name	ephrin-A2
NCBI Official Synonym Full Names	ephrin-A2
NCBI Official Symbol	EFNA2
NCBI Official Synonym Symbols	ELF-1; EPLG6; LERK6; HEK7-L; LERK-6
NCBI Protein Information	ephrin-A2
UniProt Protein Name	Ephrin-A2
UniProt Gene Name	EFNA2
UniProt Synonym Gene Names	EPLG6; LERK6; LERK-6; HEK7-L
UniProt Entry Name	EFNA2_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.