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Product datasheet for TA501457M

Ephrin A2 (EFNA2) Mouse Monoclonal Antibody [Clone ID: OTI4C3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4C3
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human EFNA2 (NP_001396) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.76 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	21.3 kDa
Gene Name:	ephrin A2
Database Link:	NP_001396 Entrez Gene 13637 MouseEntrez Gene 1943 Human O43921

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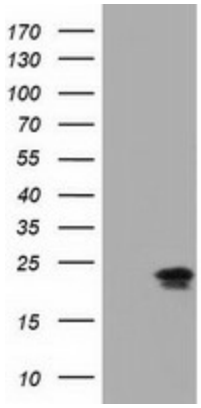
Background: This gene encodes a member of the ephrin family. The protein is composed of a signal sequence, a receptor-binding region, a spacer region, and a hydrophobic region. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated 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. [provided by RefSeq]

Synonyms: ELF-1; EPLG6; HEK7-L; LERK-6; LERK6

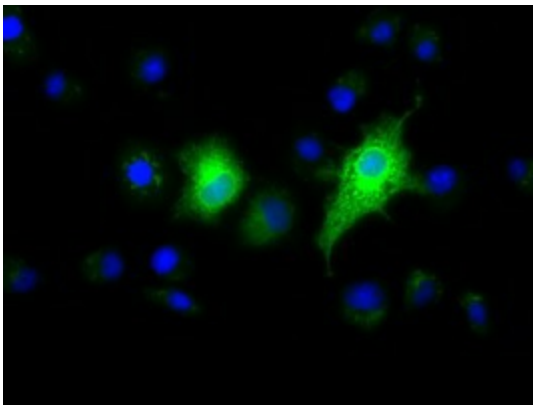
Protein Families: Druggable Genome

Protein Pathways: Axon guidance

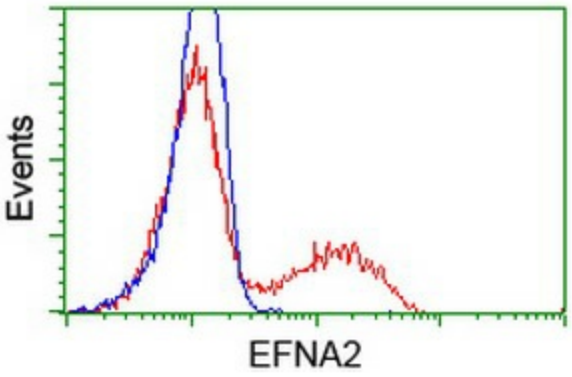
Product images:



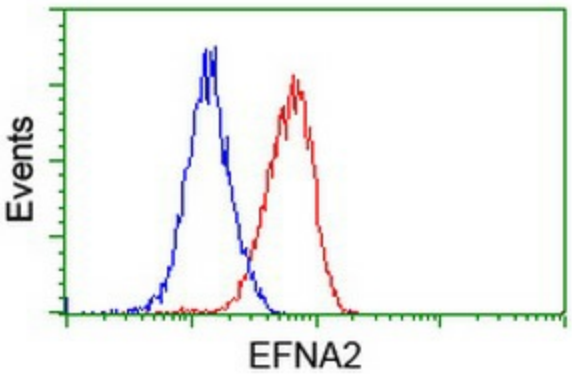
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY EFNA2 ([RC213728], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-EFNA2. Positive lysates [LY400546] (100ug) and [LC400546] (20ug) can be purchased separately from OriGene.



Anti-EFNA2 mouse monoclonal antibody ([TA501457]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY EFNA2 ([RC213728]).



HEK293T cells transfected with either [RC213728] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-EFNA2 antibody ([TA501457]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-EFNA2 antibody ([TA501457]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).