

Product datasheet for **TA501461**

Ephrin A2 (EFNA2) Mouse Monoclonal Antibody [Clone ID: OTI3E3]

Product data:

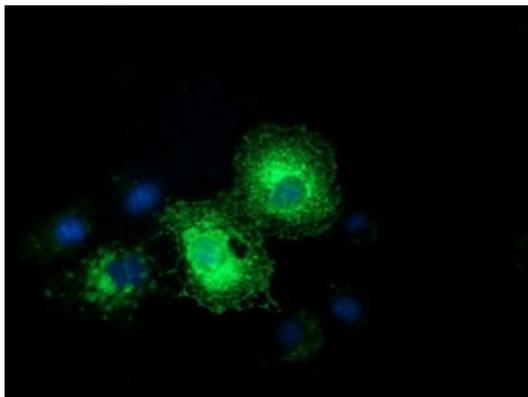
Product Type:	Primary Antibodies
Clone Name:	OTI3E3
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human EFNA2 (NP_001396) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	21.3 kDa
Gene Name:	ephrin A2
Database Link:	NP_001396 Entrez Gene 1943 Human
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



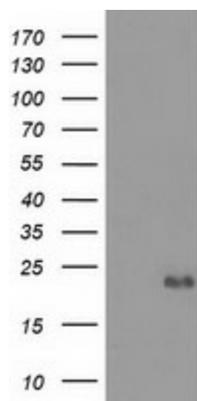
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Protein Pathways: Axon guidance

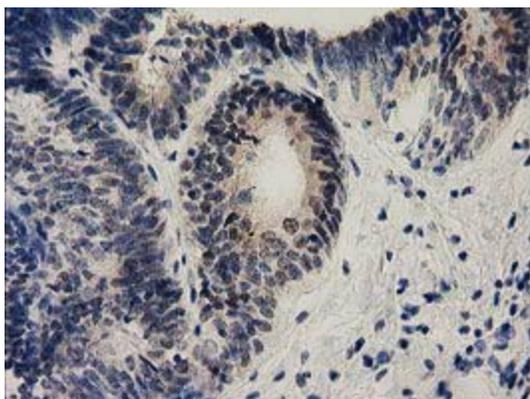
Product images:



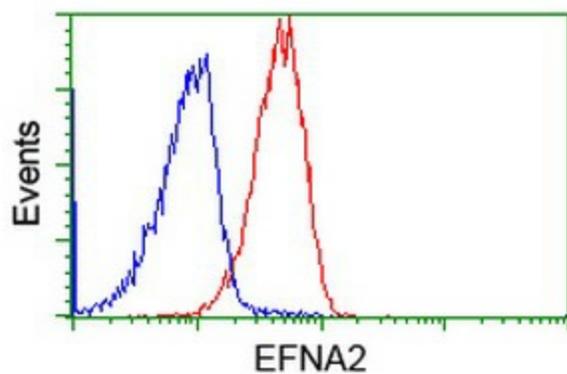
Anti-EFNA2 mouse monoclonal antibody (TA501461) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY EFNA2 ([RC213728]).



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.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-EFNA2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501461)



Flow cytometric Analysis of Jurkat cells, using anti-EFNA2 antibody (TA501461), (Red), compared to a nonspecific negative control antibody ([TA50011]), (Blue).