

Product datasheet for **CF501461**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3E3
Applications:	FC, IF, IHC, WB
Recommended 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:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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 1943 Human O43921



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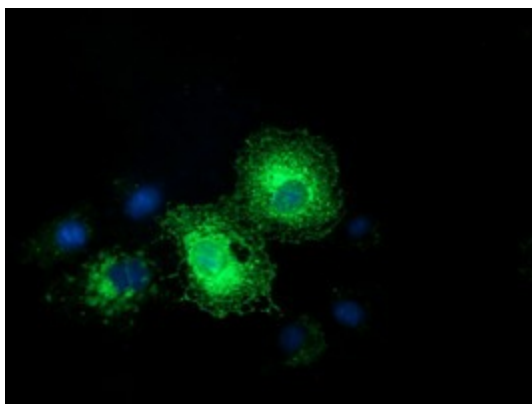
Background: This gene encodes a member of the ephrin family. The protein is composed of a signal sequence, a receptor-binding region, a spacer region, and a hydrophobic region. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated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

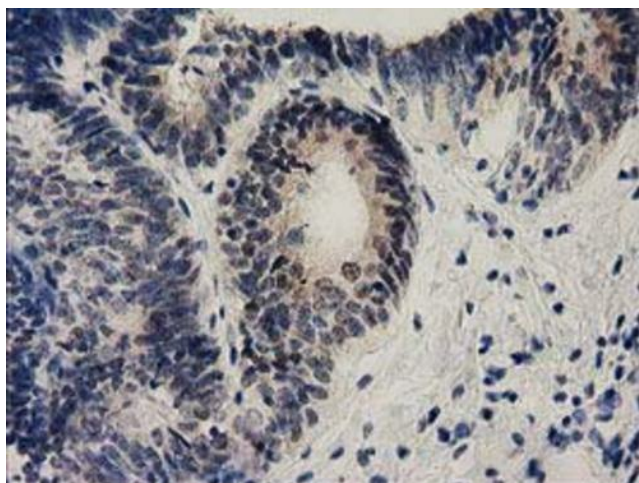
Protein Families: Druggable Genome

Protein Pathways: Axon guidance

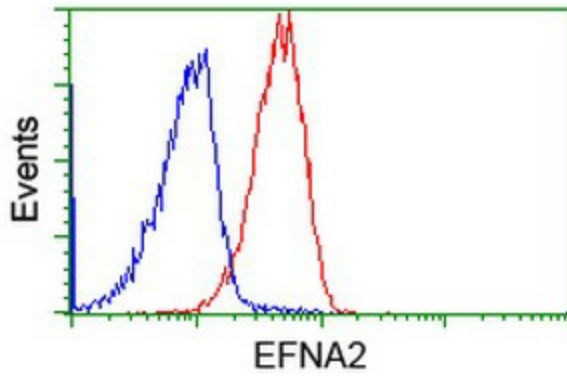
Product images:



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



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).

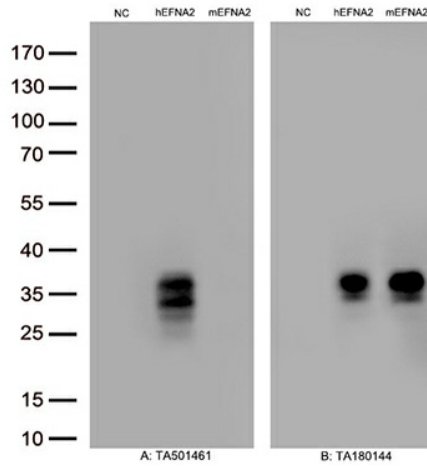


Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human EFNA2 plasmid ([RC213728], hEFNA2), mouse EFNA2 plasmid ([MR202249], mEFNA2) using anti-EFNA2 antibody [TA501461](1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)