

## Product datasheet for **TA501461AM**

### Ephrin A2 (EFNA2) Mouse Monoclonal Antibody (Biotin conjugated) [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:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
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:	<a href="#">NP_001396</a> <a href="#">Entrez Gene 1943 Human</a> <a href="#">O43921</a>



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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

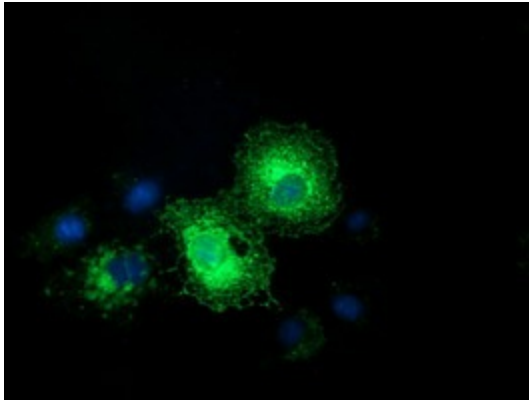
**Protein Families:**

Druggable Genome

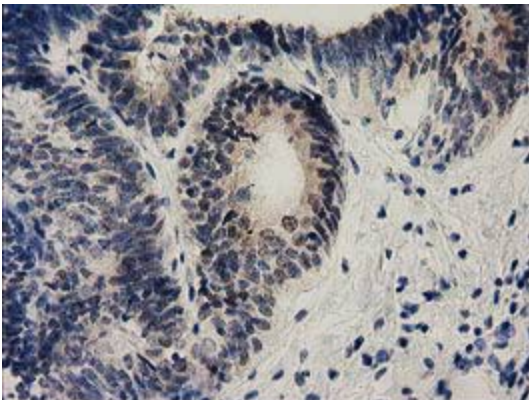
**Protein Pathways:**

Axon guidance

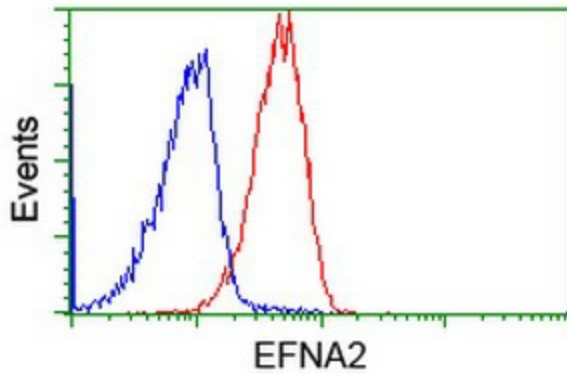
**Product images:**



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).

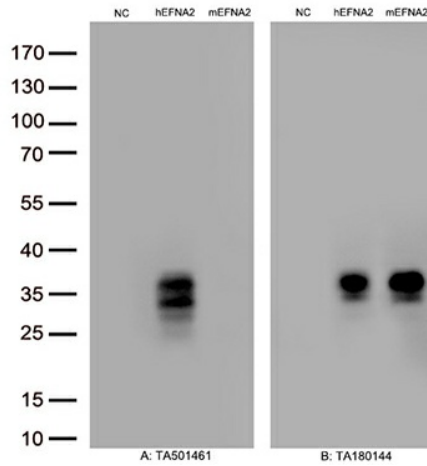


Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human EFNA2 plasmid ([RC213728], hEFNA2), mouse EFNA2 plasmid ([MR202249], mEFNA2) using anti-EFNA2 antibody [TA501461](1:500). Figure B, Western blot analysis of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