

EIF4ENIF1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant EIF4ENIF1.****Catalog # AT1879a****Specification**

EIF4ENIF1 Antibody (monoclonal) (M01) - Product Information

Application	WB, IF
Primary Accession	O9NRA8
Other Accession	NM_019843
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	108201

EIF4ENIF1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 56478**Other Names**

Eukaryotic translation initiation factor 4E transporter, 4E-T, eIF4E transporter, Eukaryotic translation initiation factor 4E nuclear import factor 1, EIF4ENIF1

Target/Specificity

EIF4ENIF1 (NP_062817, 886 a.a. ~ 985 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

EIF4ENIF1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

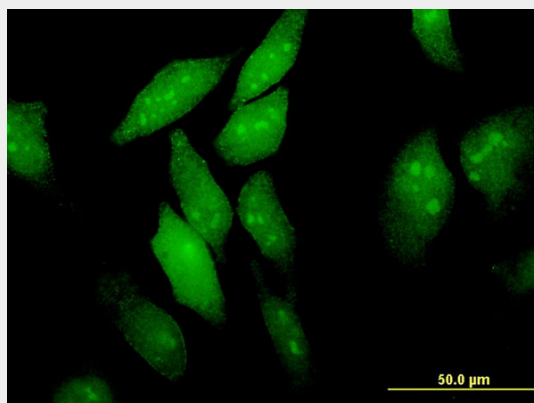
EIF4ENIF1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

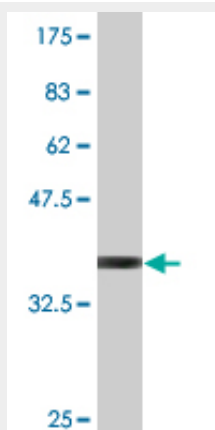
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

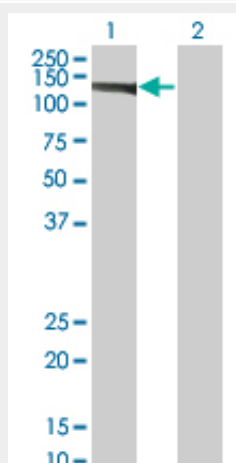
EIF4ENIF1 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to EIF4ENIF1 on HeLa cell . [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Western Blot analysis of EIF4ENIF1 expression in transfected 293T cell line by EIF4ENIF1 monoclonal antibody (M01), clone 2C4.

Lane 1: EIF4ENIF1 transfected lysate(108.201 KDa).

Lane 2: Non-transfected lysate.

EIF4ENIF1 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a nucleocytoplasmic shuttle protein for the translation initiation factor eIF4E. This shuttle protein interacts with the importin alpha-beta complex to mediate nuclear import of eIF4E. It is predominantly cytoplasmic; its own nuclear import is regulated by a nuclear localization signal and nuclear export signals. Multiple transcript variants encoding different isoforms have been found for this gene.

EIF4ENIF1 Antibody (monoclonal) (M01) - References

The Hsp90 inhibitor geldanamycin abrogates colocalization of eIF4E and eIF4E-transporter into stress granules and association of eIF4E with eIF4G. Suzuki Y, et al. J Biol Chem, 2009 Dec 18. PMID 19850929. An empirical framework for binary interactome mapping. Venkatesan K, et al. Nat Methods, 2009 Jan. PMID 19060904. Ectopic expression of eIF4E-transporter triggers the movement of eIF4E into P-bodies, inhibiting steady-state translation but not the pioneer round of translation. Lee HC, et al. Biochem Biophys Res Commun, 2008 May 16. PMID 18343217. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348. Prominent use of distal 5' transcription start sites and discovery of a large number of additional exons in ENCODE regions. Denoeud F, et al. Genome Res, 2007 Jun. PMID 17567994.