

EIF5 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant EIF5.****Catalog # AT1885a****Specification**

EIF5 Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, IF, E
Primary Accession	P55010
Other Accession	BC032866
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	49223

EIF5 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 1983**Other Names**

Eukaryotic translation initiation factor 5, eIF-5, EIF5

Target/Specificity

EIF5 (AAH32866, 1 a.a. ~ 431 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

IF~~1:50~200

E~~N/A

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

EIF5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

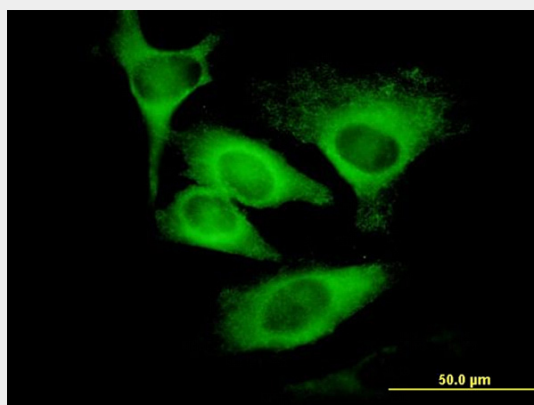
EIF5 Antibody (monoclonal) (M01) - Protocols

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

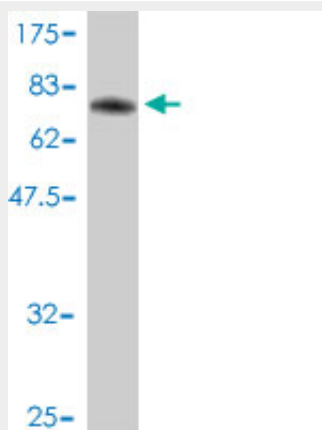
- [Western Blot](#)

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

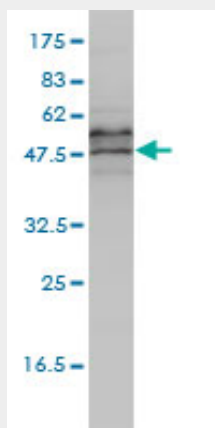
EIF5 Antibody (monoclonal) (M01) - Images



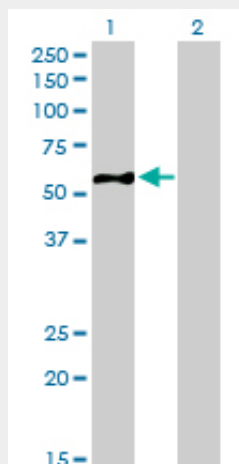
Immunofluorescence of monoclonal antibody to EIF5 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (73.15 KDa) .

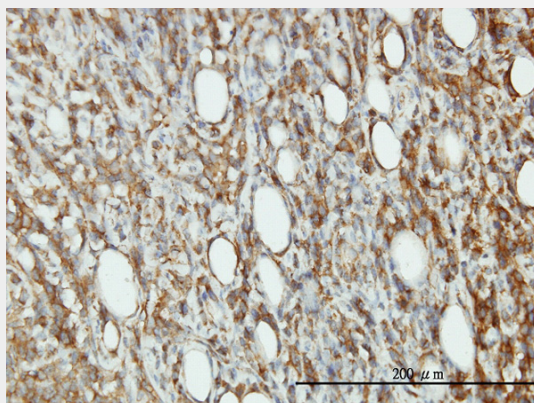


EIF5 monoclonal antibody (M01), clone 2E6-4C12 Western Blot analysis of EIF5 expression in Jurkat (Cat # AT1885a)

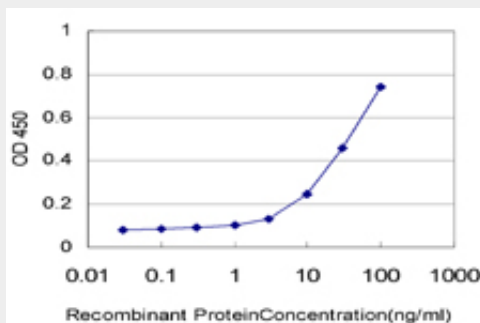


Western Blot analysis of EIF5 expression in transfected 293T cell line by EIF5 monoclonal antibody (M01), clone 2E6-4C12.

Lane 1: EIF5 transfected lysate(49.2 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to EIF5 on formalin-fixed paraffin-embedded human malignant lymphoma, diffuse large B tissue. [antibody concentration 1 ug/ml]



Detection limit for recombinant GST tagged EIF5 is approximately 1ng/ml as a capture antibody.

EIF5 Antibody (monoclonal) (M01) - Background

Eukaryotic translation initiation factor-5 (EIF5) interacts with the 40S initiation complex to promote hydrolysis of bound GTP with concomitant joining of the 60S ribosomal subunit to the 40S initiation

complex. The resulting functional 80S ribosomal initiation complex is then active in peptidyl transfer and chain elongations (summary by Si et al., 1996 [PubMed 8663286]).

EIF5 Antibody (monoclonal) (M01) - References

Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983. The crystal structure of the carboxy-terminal domain of human translation initiation factor eIF5. Bieniossek C, et al. J Mol Biol, 2006 Jul 7. PMID 16781736. Structure of the eukaryotic initiation factor (eIF) 5 reveals a fold common to several translation factors. Conte MR, et al. Biochemistry, 2006 Apr 11. PMID 16584190. CK2 phosphorylation of eukaryotic translation initiation factor 5 potentiates cell cycle progression. Homma MK, et al. Proc Natl Acad Sci U S A, 2005 Oct 25. PMID 16227438. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.