

TIMM8A Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant TIMM8A.****Catalog # AT4239a****Specification**

TIMM8A Antibody (monoclonal) (M01) - Product Information

Application	WB, IHC, E
Primary Accession	O60220
Other Accession	NM_004085
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	10998

TIMM8A Antibody (monoclonal) (M01) - Additional Information**Gene ID** 1678**Other Names**

Mitochondrial import inner membrane translocase subunit Tim8 A, Deafness dystonia protein 1, X-linked deafness dystonia protein, TIMM8A, DDP, DDP1, TIM8A

Target/Specificity

TIMM8A (NP_004076, 9 a.a. ~ 97 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 kDa.

Dilution

WB~~1:500~1000

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

TIMM8A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

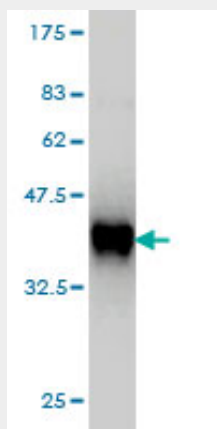
TIMM8A Antibody (monoclonal) (M01) - Protocols

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

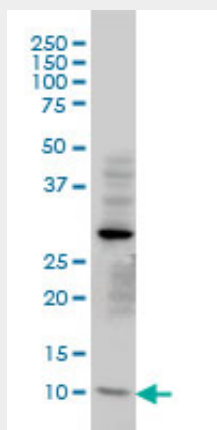
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

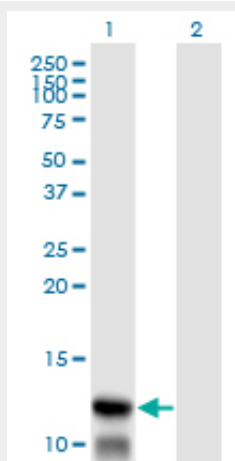
TIMM8A Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 KDa) .

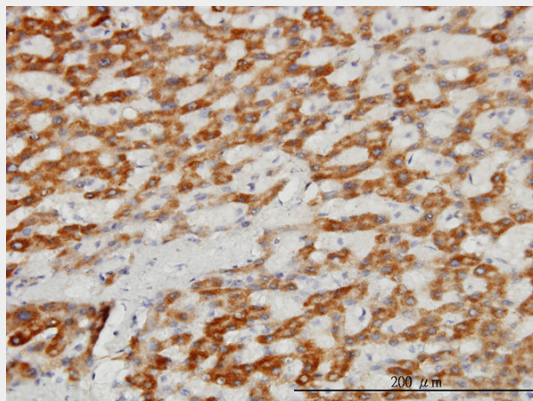


TIMM8A monoclonal antibody (M01), clone 2F11 Western Blot analysis of TIMM8A expression in HeLa ((Cat # AT4239a)

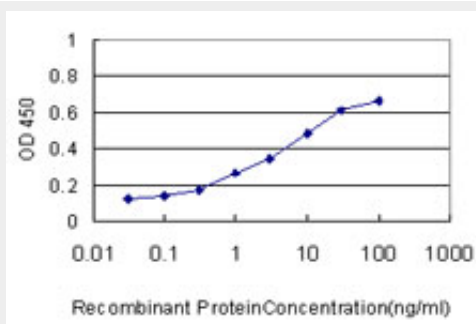


Western Blot analysis of TIMM8A expression in transfected 293T cell line by TIMM8A monoclonal antibody (M01), clone 2F11.

Lane 1: TIMM8A transfected lysate(11 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to TIMM8A on formalin-fixed paraffin-embedded human liver. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged TIMM8A is approximately 0.3ng/ml as a capture antibody.

TIMM8A Antibody (monoclonal) (M01) - Background

This translocase is involved in the import and insertion of hydrophobic membrane proteins from the cytoplasm into the mitochondrial inner membrane. The gene is mutated in Mohr-Tranebjaerg syndrome/Deafness Dystonia Syndrome (MTS/DDS) and it is postulated that MTS/DDS is a mitochondrial disease caused by a defective mitochondrial protein import system. Defects in this gene also cause Jensen syndrome; an X-linked disease with opticoacoustic nerve atrophy and muscle weakness. This protein, along with TIMM13, forms a 70 kDa heterohexamer. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

TIMM8A Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121. Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348. Molecular genetics of a patient with Mohr-Tranebjaerg Syndrome due to a new mutation in the DDP1 gene. Blesa JR, et al.

Neuromolecular Med, 2007. PMID 17999202.