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TIMM9 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant TIMM9.
Catalog # AT4240a

Product Information

Application	WB, IHC, E
Primary Accession	Q9Y5J7
Other Accession	BC020213
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1D6
Calculated MW	10378

Additional Information

Gene ID	26520
Other Names	Mitochondrial import inner membrane translocase subunit Tim9, TIMM9, TIM9, TIM9A, TIMM9A
Target/Specificity	TIMM9 (AAH20213, 1 a.a. ~ 89 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 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	TIMM9 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

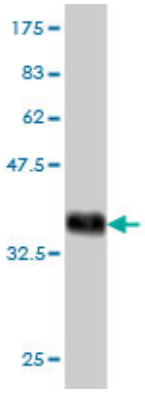
TIMM9 belongs to a family of evolutionarily conserved proteins that are organized in heterooligomeric complexes in the mitochondrial intermembrane space. These proteins mediate the import and insertion of hydrophobic membrane proteins into the mitochondrial inner membrane.

References

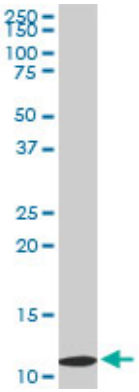
Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.Crystal structure of the mitochondrial chaperone TIM9.10 reveals a six-bladed alpha-propeller. Webb CT, et al. Mol Cell, 2006 Jan 6. PMID 16387659.The status, quality, and expansion of

the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Organization and function of the small Tim complexes acting along the import pathway of metabolite carriers into mammalian mitochondria. M?hlenbein N, et al. J Biol Chem, 2004 Apr 2. PMID 14726512.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

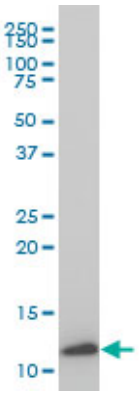
Images



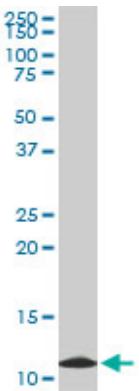
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.53 KDa) .



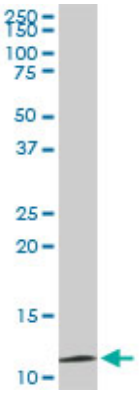
TIMM9 monoclonal antibody (M01), clone 1D6. Western Blot analysis of TIMM9 expression in PC-12 ((Cat # AT4240a)



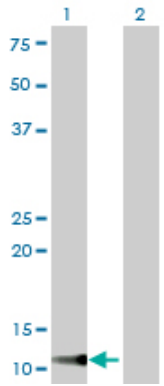
TIMM9 monoclonal antibody (M01), clone 1D6 Western Blot analysis of TIMM9 expression in IMR-32 ((Cat # AT4240a)



TIMM9 monoclonal antibody (M01), clone 1D6. Western Blot analysis of TIMM9 expression in Raw 264.7 ((Cat # AT4240a)

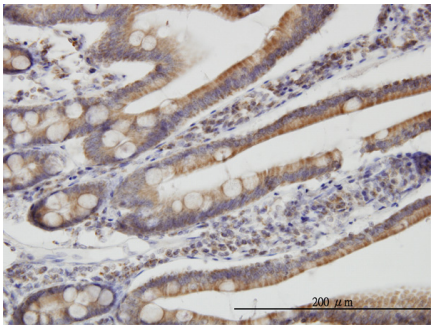


TIMM9 monoclonal antibody (M01), clone 1D6. Western Blot analysis of TIMM9 expression in NIH/3T3 ((Cat # AT4240a)

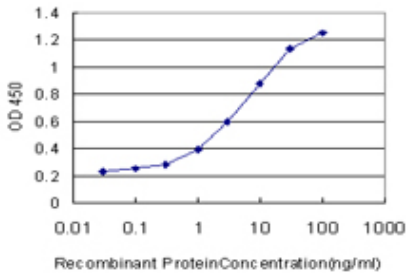


Western Blot analysis of TIMM9 expression in transfected 293T cell line by TIMM9 monoclonal antibody (M01), clone 1D6.

Lane 1: TIMM9 transfected lysate(10.4 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to TIMM9 on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged TIMM9 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.