10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TIMM50 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19064a

Product Information

Application	WB, E
Primary Accession	Q3ZCQ8
Other Accession	NP_001001563.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39839
Calculated MW	39646
Antigen Region	74-104

Additional Information

Gene ID	92609
Other Names	Mitochondrial import inner membrane translocase subunit TIM50, TIMM50, TIM50
Target/Specificity	This TIMM50 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 74-104 amino acids from the N-terminal region of human TIMM50.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TIMM50 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TIMM50
Synonyms	TIM50

Function	Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane (PubMed:30190335, PubMed:38828998). Has some phosphatase activity in vitro; however such activity may not be relevant in vivo.
Cellular Location	Mitochondrion inner membrane; Single-pass membrane protein
Tissue Location	Widely expressed. Expressed at higher level in brain, kidney and liver (at protein level)

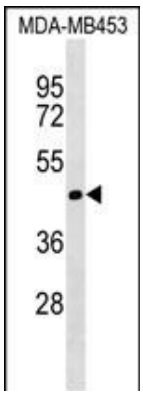
Background

Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane. Has some phosphatase activity in vitro; however such activity may not be relevant in vivo. Isoform 2 may participate in the release of snRNPs and SMN from the Cajal body.

References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Xu, H., et al. BMC Cell Biol. 6 (1), 29 (2005) :
Guo, Y., et al. J. Biol. Chem. 279(23):24813-24825(2004)
Yuryev, A., et al. Genomics 81(2):112-125(2003)
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Images



TIMM50 Antibody (N-term) (Cat. #AP19064a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the TIMM50 antibody detected the TIMM50 protein (arrow).

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