



Rabbit Anti-TIMM8B antibody

SL23056R

Product Name:	TIMM8B
Chinese Name:	Mitochondrion内膜转位酶8B
Alias:	DDP2; Deafness dystonia protein 2; FLJ21744; MGC102866; MGC117373; Mitochondrial import inner membrane translocase subunit Tim8 B; Small zinc finger like protein DDP2; TIM8B; ranslocase of inner mitochondrial membrane 8 homolog B (yeast); Translocase of inner mitochondrial membrane 8 homolog b;
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	9kDa
Cellular localization:	cytoplasmicMitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TIMM8B:21-70/83
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a member of a well-conserved family of proteins with similarity to yeast Tim mitochondrial import proteins. This gene is encoded by a nuclear gene and is transported into the intermembrane space of the mitochondrion. When formed into complexes, these proteins guide membrane-spanning proteins across the mitochondrial

intermembrane space before they are added into the mitochondrial inner membrane. This gene is adjacent to succinate dehydrogenase, subunit D (SDHD), in which mutations have been found in affected members of families with hereditary paraganglioma.[provided by RefSeq, Aug 2009]

Function:

Probable mitochondrial intermembrane chaperone that participates in the import and insertion of some multi-pass transmembrane proteins into the mitochondrial inner membrane. Also required for the transfer of beta-barrel precursors from the TOM complex to the sorting and assembly machinery (SAM complex) of the outer membrane. Acts as a chaperone-like protein that protects the hydrophobic precursors from aggregation and guide them through the mitochondrial intermembrane space (By similarity).

Subunit:

Heterohexamer; possibly composed of 3 copies of TIMM8B and 3 copies of TIMM13, named soluble 70 kDa complex. Associates with the TIM22 complex, whose core is composed of TIMM22 (By similarity).

Subcellular Location:

Mitochondrion inner membrane; Peripheral membrane protein; Intermembrane side.

Tissue Specificity:

Ubiquitous, with highest expression in heart, kidney, liver and skeletal muscle.

Similarity:

Belongs to the small Tim family.

SWISS:

Q9Y5J9

Gene ID:

26521

Database links:

[Entrez Gene: 26521](#)Human

[Entrez Gene: 30057](#)Mouse

[Entrez Gene: 64372](#)Rat

[Omim: 606659](#)Human

[SwissProt: Q9Y5J9](#)Human

[SwissProt: P62077](#)Mouse

[SwissProt: P62078](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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