

TIMM10 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19169c**Specification**

TIMM10 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P62072
Other Accession	P62074 , P62073 , Q2NKR1 , Q6GO52 , Q4QR62 , NP_036588.1
Reactivity	Human
Predicted	Xenopus, Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	21-49

TIMM10 Antibody (Center) - Additional Information**Gene ID** 26519**Other Names**

Mitochondrial import inner membrane translocase subunit Tim10, TIMM10, TIM10

Target/Specificity

This TIMM10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-49 amino acids from the Central region of human TIMM10.

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

TIMM10 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

TIMM10 Antibody (Center) - Protein Information**Name** TIMM10

Synonyms TIM10

Function Mitochondrial intermembrane chaperone that participates in the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. May also be 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.

Cellular Location

Mitochondrion inner membrane; Peripheral membrane protein; Intermembrane side

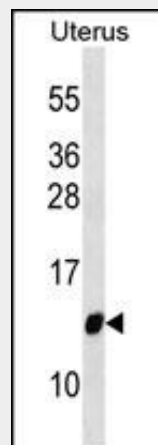
Tissue Location

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

TIMM10 Antibody (Center) - 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](#)

TIMM10 Antibody (Center) - Images

TIMM10 Antibody (Center) (Cat. #AP19169c) western blot analysis in Uterus tissue lysates (35ug/lane). This demonstrates the TIMM10 antibody detected the TIMM10 protein (arrow).

TIMM10 Antibody (Center) - Background

TIMM10 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.

TIMM10 Antibody (Center) - References

Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006) Carey, K.A., et al. Pathol. Int. 56(5):246-255(2006) Webb, C.T., et al. Mol. Cell 21(1):123-133(2006) Muhlenbein, N., et al. J. Biol. Chem. 279(14):13540-13546(2004) Allen, S., et al. J. Biol. Chem. 278(40):38505-38513(2003)