

# TIMM9 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP57720

## Product Information

---

<b>Application</b>	IHC-P, IHC-F, IF, ICC, E
<b>Primary Accession</b>	<a href="#">Q9Y5J7</a>
<b>Reactivity</b>	Rat, Pig, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	10378
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human TIMM9
<b>Epitope Specificity</b>	1-50/89
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Mitochondrion inner membrane.
<b>SIMILARITY</b>	Belongs to the small Tim family.
<b>SUBUNIT</b>	Heterohexamer; composed of 3 copies of TIMM9 and 3 copies of TIMM10/TIM10A, named soluble 70 kDa complex. The complex forms a 6-bladed alpha-propeller structure and associates with the TIMM22 component of the TIM22 complex. Interacts with multi-pass transmembrane proteins in transit. Also forms a complex composed of TIMM9, TIMM10/TIM10A and FXC1/TIM10B.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	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.[supplied by OMIM, Apr 2004]

## Additional Information

---

<b>Gene ID</b>	26520
<b>Other Names</b>	Mitochondrial import inner membrane translocase subunit Tim9, TIMM9, TIM9, TIM9A, TIMM9A
<b>Target/Specificity</b>	Ubiquitous, with highest expression in heart, kidney, liver and skeletal muscle.
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.
----------------	---

## Protein Information

---

<b>Name</b>	TIMM9
<b>Synonyms</b>	TIM9, TIM9A, TIMM9A
<b>Function</b>	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.
<b>Cellular Location</b>	Mitochondrion inner membrane; Peripheral membrane protein; Intermembrane side
<b>Tissue Location</b>	Ubiquitous, with highest expression in heart, kidney, liver and skeletal muscle.

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