

Rabbit TIMM9 Polyclonal Antibody | anti-TIMM9 antibody

TIMM9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323310	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

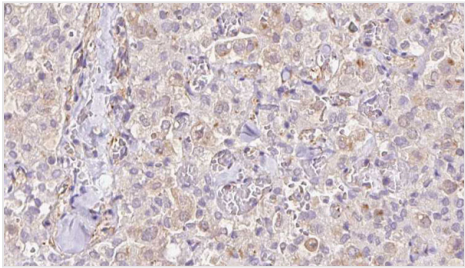
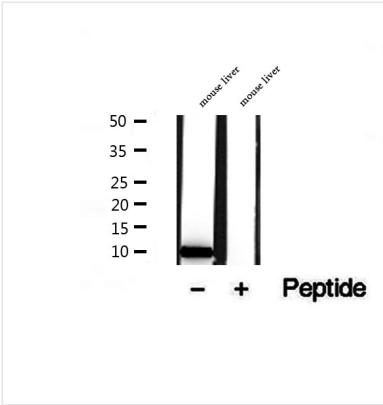
PRODUCT SYNONYMS

TIMM9; Polyclonal Antibody; TIMM9 Antibody; Mitochondrial import inner membrane translocase subunit Tim9; TIM9; TIM9_HUMAN; TIM9A; Timm9; TIMM9A; anti-TIMM9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TIMM9 antibody detects endogenous levels of TIMM9.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	89
Applicable Applications for anti-TIMM9 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TIMM9.
Subcellular Location	Mitochondrion Inner Membrane.
Tissue Specificity	Ubiquitous, with highest expression in heart, kidney, liver and skeletal muscle.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323310 at 1/100 staining Human thyroid cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts of mouse liver tissue, using TIMM9 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-TIMM9 antibody

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.

Subunit Structure: 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.

Similarity: The twin CX3C motif contains 4 conserved Cys residues that form 2 disulfide bonds in the mitochondrial intermembrane space. However, during the transit of TIMM9 from cytoplasm into mitochondrion, the Cys residues probably coordinate zinc, thereby preventing folding and allowing its transfer across mitochondrial outer membrane (Probable). Belongs to the small Tim family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	751247012
NCBI GeneID	26520
NCBI Accession #	NP_001291414.1
NCBI GenBank Nucleotide #	NM_001304485.1
UniProt Accession #	Q9Y5J7; B2R584
Molecular Weight	Observed: 10 kDa Predicted: 11 kDa
NCBI Official Full Name	mitochondrial import inner membrane translocase subunit Tim9 isoform a
NCBI Official Synonym Full Names	translocase of inner mitochondrial membrane 9
NCBI Official Symbol	TIMM9
NCBI Official Synonym Symbols	TIM9; TIM9A
NCBI Protein Information	mitochondrial import inner membrane translocase subunit Tim9
UniProt Protein Name	Mitochondrial import inner membrane translocase subunit Tim9
UniProt Gene Name	TIMM9
UniProt Synonym Gene Names	TIM9; TIM9A; TIMM9A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/timm9-antibody-immunohistochemistry-western-blot-elisa/323310>