

Rabbit IMMT Polyclonal Antibody | anti-IMMT antibody

IMMT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326818	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

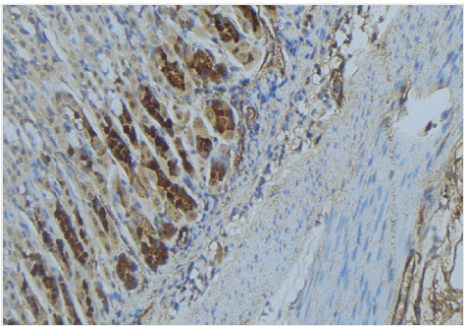
PRODUCT SYNONYMS

IMMT; Polyclonal Antibody; IMMT Antibody; Cell proliferation inducing protein 52; Cell proliferation-inducing gene 4/52 protein; Heart muscle protein; HMP; IMMT_HUMAN; Inner membrane protein mitochondrial; Inner mitochondrial membrane; MICOS complex subunit MIC60; MINOS2; Mitochondrial inner membrane organizing system 2; Mitochondrial inner membrane protein; Mitofilin; Motor protein; p87; p87/89; p89; pig4; PIG52; Proliferation-inducing gene 4; anti-IMMT antibody

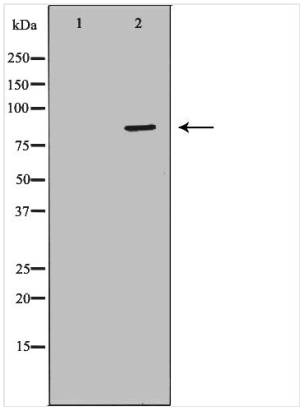
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IMMT antibody detects endogenous levels of total IMMT
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	757
Applicable Applications for anti-IMMT antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IMMT
Subcellular Location	Mitochondrion Inner Membrane.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (92%), Bovine (83%), Horse (92%), Sheep (83%), Rabbit (83%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326818 at 1/100 staining Human gastric 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 Hela whole cell lysates, using IMMT Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IMMT antibody

Description: Mitochondrial inner membrane protein is a protein that in humans is encoded by the IMMT gene. IMMT has been shown to interact with BAT2. The mitochondrial inner membrane (IM) serves as the site for ATP production by hosting the oxidative phosphorylation complex machinery most notably on the crista membranes. Disruption of the crista structure has been implicated in a variety of cardiovascular and neurodegenerative diseases.

Function: Component of the MICOS complex, a large protein complex of the mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane. Plays an important role in the maintenance of the MICOS complex stability and the mitochondrial cristae morphology (PubMed:22114354, PubMed:25781180).

Subunit Structure: Component of the mitochondrial contact site and cristae organizing system (MICOS) complex, composed of at least MINOS1/MIC10, CHCHD3/MIC19, CHCHD6/MIC25, APOOL/MIC27, IMMT/MIC60, APOOL/MIC23/MIC26 and QIL1/MIC13 (PubMed:25764979, PubMed:25781180). This complex was also known under the names MINOS or MitOS complex. The MICOS complex associates with mitochondrial outer membrane proteins SAMM50, MTX1 and MTX2 (together described as components of the mitochondrial outer membrane sorting assembly machinery (SAM) complex) and DNAJC11, mitochondrial inner membrane protein TMEM11 and with HSPA9 (PubMed:25764979, PubMed:25781180). The MICOS and SAM complexes together with DNAJC11 are part of a large protein complex spanning both membranes termed the mitochondrial intermembrane space bridging (MIB) complex (PubMed:22252321). Interacts with HSPA1A/HSPA1B and OPA1, preferentially with the soluble OPA1 form (By similarity). Interacts with QIL1/MIC13, MINOS1/MIC10, CHCHD3/MIC19, CHCHD6/MIC25, SAMM50 and TMEM11 (PubMed:25997101). Interacts with APOOL/MIC23/MIC26 and APOOL/MIC27 (PubMed:25764979, PubMed:25781180).

Similarity: Belongs to the MICOS complex subunit Mic60 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	154354962
NCBI GeneID	10989
NCBI Accession #	NP_001093639.1
NCBI GenBank Nucleotide #	NM_001100169.1
UniProt Accession #	Q16891; Q14539; Q15092; Q68D41; Q69HW5; Q6IBL0; Q7Z3X1; Q8TAJ5; Q9P0V2; B1H0U5; B2R5N6
Molecular Weight	Observed: 84 kDa Predicted: 84 kDa
NCBI Official Full Name	MICOS complex subunit MIC60 isoform 2
NCBI Official Synonym Full Names	inner membrane mitochondrial protein
NCBI Official Symbol	IMMT

NCBI Official Synonym Symbols	HMP; P87; P89; PIG4; Mic60; PIG52; MINOS2; P87/89
NCBI Protein Information	MICOS complex subunit MIC60
UniProt Protein Name	MICOS complex subunit MIC60
UniProt Gene Name	IMMT
UniProt Synonym Gene Names	HMP; MIC60; MINOS2

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/immt-antibody-immunohistochemistry-western-blot-elisa/326818>