IMMT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IMMT, Polyclonal Antibody
Full Product Name	IMMT Conjugated Antibody
Product Gene Name	anti-IMMT antibody
Product Synonym Names	inner membrane protein; mitochondrial; HMP; P87; P89; PIG4; PIG52; MINOS2; P87/89
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous level of total IMMT protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	83,549 Da
Immunogen	Fusion protein corresponding to a C terminal 300 amino acids of human inner membrane protein, mitochondrial
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-IMMT antibody	Most Applications
Application Notes for anti-IMMT antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-IMMT antibody	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.
Other Notes	Small volumes of anti-IMMT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IMMT purchase	MBS9442265 is an antibody targeting IMMT. Also known as IMMT Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IMMT. It may not necessarily be applicable to this product.

NCBI GI #	38197212

NCBI GeneID	10989
NCBI Accession #	BC002412
UniProt Secondary Accession #	Q14539; Q15092; Q68D41; Q69HW5; Q6IBL0; Q7Z3X1; Q8TAJ5; Q9P0V2; B1H0U5; B2R5N6
UniProt Related Accession #	Q16891
NCBI Official Full Name	Homo sapiens inner membrane protein, mitochondrial (mitofilin), mRNA
NCBI Official Synonym Full Names	inner membrane protein, mitochondrial
NCBI Official Symbol	IMMT
NCBI Official Synonym Symbols	HMP; P87; P89; PIG4; PIG52; MINOS2; P87/89
NCBI Protein Information	MICOS complex subunit MIC60; cell proliferation-inducing gene 4/52 protein; cell proliferation-inducing protein 52; mitochondrial inner membrane organizing system 2; mitochondrial inner membrane protein; mitofilin; motor protein
Research Articles on IMMT	**1.** APOOL is a cardiolipin-binding component of the Mitofilin/MINOS protein complex.
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