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TIM44 Recombinant Rabbit mAb

Catalog # AP100317

Product Information

Application	WB, IP
Primary Accession	O43615
Other Accession	O43615
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	51356
Physical State	Liquid
Immunogen	A synthesized peptide derived from human TIM44
Epitope Specificity	10-240
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. Recruits mitochondrial HSP70 to drive protein translocation into the matrix using ATP as an energy source.

Additional Information

Gene ID	10469
Other Names	TIM44_HUMAN; TIMM44; MIMT44; TIM44; translocase of inner mitochondrial membrane 44; translocase of inner mitochondrial membrane 44 homolog (yeast)
Dilution	WB=1:500-2000,ICC/IF=1:50-200,IP=1:20-50,Flow-Cyt=1:50-100
Storage	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

Name	TIMM44
Synonyms	MIMT44, TIM44

Function	Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner (By similarity). Recruits mitochondrial HSP70 to drive protein translocation into the matrix using ATP as an energy source (By similarity).
Cellular Location	Mitochondrion inner membrane; Peripheral membrane protein; Matrix side. Mitochondrion matrix

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