10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TIMM23 Mouse mAb

Catalog # AP100288

Product Information

Application	WB, IF, IP, E
Primary Accession	O14925
Other Accession	O14925
Predicted	Rat, Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	21943
Physical State	Liquid
Immunogen	Recombinant human TIMM23 protein
Epitope Specificity	31-209/209
Isotype	IgG2b,k
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the Tim17/Tim22/Tim23 family.
SUBUNIT	Component of the TIM23 complex at least composed of TIMM23, TIMM17 (TIMM17A or TIMM17B) and TIMM50; within this complex, directly interacts with TIMM50. The complex interacts with the TIMM44 component of the PAM complex and with DNAJC15.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	TIMM23 nomenclature and NM_006327.2 were associated with GeneID:10431 in build 37.1. Because of assembly problems in this region, it was later determined that GeneID:100287932 correctly represents the location of TIMM23. TIMM23 is now associated with GeneID:100287932 and NM_006327.2. [17 Mar 2010]

Additional Information

Gene ID	100287932
Other Names	TIM23_HUMAN; TIMM23; TIM23; translocase of inner mitochondrial membrane 23; translocase of inner mitochondrial membrane 23 homolog (yeast)
Dilution	WB=1:100-1000,IF=1:100-500,IP=1:20-100,ELISA=1:30-3000
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	TIMM23
Synonyms	TIM23
Function	Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane (PubMed:10339406). Has a role in the activation of stress-induced mitophagy by protecting PINK1 from OMA1-mediated degradation and facilitating its accumulation at the outer mitochondrial membrane in response to depolarization (PubMed:37160114).
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein

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