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TIMM50 Recombinant Rabbit mAb

Catalog # AP100061

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q3ZCQ8
Other Accession	Q3ZCQ8
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	39646
Physical State	Liquid
Immunogen	A synthesized peptide derived from human TIMM50
Epitope Specificity	25-77/353
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.
SIMILARITY	Belongs to the TIM50 family. Contains 1 FCP1 homology domain.
SUBUNIT	Component of the TIM23 complex at least composed of TIMM23, TIMM17 (TIMM17A or TIMM17B) and TIMM50; within this complex, directly interacts with TIMM23. 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	Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane. Has some phosphatase activity in vitro; however such activity may not be relevant in vivo.

Additional Information

Gene ID	92609
Other Names	TIM50_HUMAN; TIMM50; TIM50; TIM50_MOUSE; translocase of inner mitochondrial membrane 50; translocase of inner mitochondrial membrane 50 homolog (yeast)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	TIMM50
Synonyms	TIM50
Function	Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane (PubMed:30190335, PubMed:38828998). Has some phosphatase activity in vitro; however such activity may not be relevant in vivo.
Cellular Location	Mitochondrion inner membrane; Single-pass membrane protein
Tissue Location	Widely expressed. Expressed at higher level in brain, kidney and liver (at protein level)

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