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SAMM50 Recombinant Rabbit mAb

Catalog # AP100049

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9Y512
Other Accession	Q9Y512
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	51976
Physical State	Liquid
Immunogen	A synthesized peptide derived from human SAMM50
Epitope Specificity	350-390
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 SAM50/omp85 family.
SUBUNIT	Associates with the MINOS/MitOS complex, that includes IMMT, HSPA9 and CHCHD3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Plays a crucial role in the maintenance of the structure of mitochondrial cristae and the proper assembly of the mitochondrial respiratory chain complexes.Required for the assembly of TOMM40 into the TOM complex.

Additional Information

Gene ID	25813
Other Names	CGI-51; OMP85; SAM50; TOB55; TRG-3; YNL026W; 1110030L07Rik; SAM50_HUMAN; SAMM50; Transformation-related gene 3 protein (TRG-3); SAM50_MOUSE; SAM50_RAT; SAMM50 sorting and assembly machinery component; sorting and assembly machinery component 50 homolog (S. cerevisiae)
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	SAMM50
Synonyms	SAM50
Function	Plays a crucial role in the maintenance of the structure of mitochondrial cristae and the proper assembly of the mitochondrial respiratory chain complexes (PubMed:22252321, PubMed:25781180). Required for the assembly of TOMM40 into the TOM complex (PubMed:15644312).
Cellular Location	Mitochondrion outer membrane; Multi-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q6AXV4}. Mitochondrion

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