

Rabbit SAMM50 Polyclonal Antibody | anti-SAMM50 antibody

SAMM50 Antibody

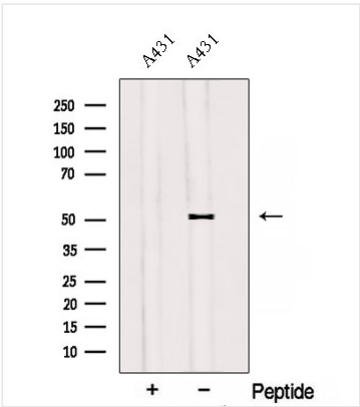
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328719	Rabbit	Human, Mouse, RatPredicted: Pig, Zebrafish, Bovine, Horse, Sheep, Chicken	Western Blot

PRODUCT SYNONYMS

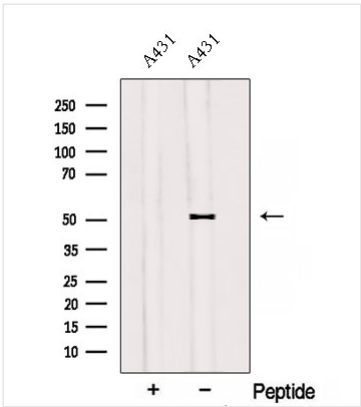
SAMM50; Polyclonal Antibody; SAMM50 Antibody; CGI 51; CGI-51; FLJ35825; FLJ42905; FLJ99036; OMP85; SAM50; SAM50_HUMAN; Samm50; sorting and assembly machinery 50kDa; sorting and assembly machinery component 50 homolog (S. cerevisiae); Sorting and assembly machinery component 50 homolog; sorting and assembly machinery component 50; S. cerevisiae; homolog of; TOB55; Transformation-related gene 3 protein; TRG-3; YNL026W; anti-SAMM50 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Zebrafish, Bovine, Horse, Sheep, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	SAMM50 Antibody detects endogenous levels of SAMM50.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	469
Applicable Applications for anti-SAMM50 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human SAMM50.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Mitochondrion
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from A431 cells, using SAMM50 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from various samples, using SAMM50 Antibody. Lane 1: Rat kidney, treated with blocking peptide; Lane 2: Rat kidney; Lane 3: HepG2; Lane 4: Mouse lung.

ADDITIONAL INFORMATION

Related Product Information for anti-SAMM50 antibody	Description: 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).
	Subunit Structure: Associates with the mitochondrial contact site and cristae organizing system (MICOS) complex, composed of at least MINOS1/MIC10, CHCHD3/MIC19, CHCHD6/MIC25, APOOL/MIC27, IMMT/MIC60, APOOL/MIC23/MIC26 and QIL1/MIC13 (PubMed:25781180, PubMed:25997101). This complex was also known under the names MINOS or MitOS complex. The MICOS complex associates with mitochondrial outer membrane proteins SAMM50, MTX1 and MTX2 (together described as components of the mitochondrial outer membrane sorting assembly machinery (SAM) complex) and DNAJC11, mitochondrial inner membrane protein TMEM11 and with HSPA9 (PubMed:25781180, PubMed:25997101). The MICOS and SAM complexes together with DNAJC11 are part of a large protein complex spanning both membranes termed the mitochondrial intermembrane space bridging (MIB) complex (PubMed:25997101). Interacts with CHCHD3/MIC19 (PubMed:21081504).
	Similarity: Its C-terminal part seems to contain many membrane-spanning sided beta-sheets, that have the potential to adopt a transmembrane beta-barrel type structure. Belongs to the SAM50/omp85 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	118572715
NCBI GeneID	25813
UniProt Accession #	Q9Y512
Molecular Weight	Observed: 52 kDa Predicted: 52 kDa
NCBI Official Full Name	Sorting and assembly machinery component 50 homolog
NCBI Official Synonym Full Names	SAMM50 sorting and assembly machinery component
NCBI Official Symbol	SAMM50
NCBI Official Synonym Symbols	OMP85; SAM50; TOB55; TRG-3; CGI-51; YNL026W
NCBI Protein Information	sorting and assembly machinery component 50 homolog
UniProt Protein Name	Sorting and assembly machinery component 50 homolog
UniProt Gene Name	SAMM50
UniProt Synonym Gene Names	SAM50; TRG-3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/samm50-antibody-western-blot-elisa/328719>