

Rabbit SLC25A24 Polyclonal Antibody | anti-SLC25A24 antibody

SLC25A24 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234233	Rabbit	Human, Rat, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

SLC25A24; Polyclonal Antibody; SLC25A24 Antibody; Calcium-binding mitochondrial carrier protein SCaMC-1; mitochondrial ATP-Mg/Pi carrier protein 1; mitochondrial Ca(2+)-dependent solute carrier protein 1; Small calcium-binding mitochondrial carrier protein 1; Solute carrier family 25 member 24; APC1; MCSC1; SCaMC1; anti-SLC25A24 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	477
Applicable Applications for anti-SLC25A24 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Calcium-binding mitochondrial carrier protein SCaMC-1 protein (1-197AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunofluorescence staining of U251 cells with AAA234233 at 1:110, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234233 diluted at 1:250 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: 293T whole cell lysate, U251 whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate, Hela whole cell lysate, Rat kidney tissue, Mouse heart tissueAll lanes: SLC25A24 antibody at 5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 54, 52 KDaObserved band size: 54 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-SLC25A24 antibody	Calcium-dependent mitochondrial solute carrier. Mediates the reversible, electroneutral exchange of Mg-ATP or Mg-ADP against phosphate ions, catalyzing the net uptake or efflux of adenine nucleotides across the mitochondrial inner membrane. Nucleotide transport is inactive when cytosolic calcium levels are low, and is activated by an increase in cytosolic calcium levels. May play a role in protecting cells against oxidative stress-induced cell death, probably by promoting the formation of calcium-phosphate precipitates in the mitochondrial matrix, and thereby buffering calcium levels in the mitochondrial matrix.
Product Categories/Family for anti-SLC25A24 antibody	Metabolism; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	148491091
NCBI GeneID	29957
NCBI Accession #	NP_037518.3
NCBI GenBank Nucleotide #	NM_013386.4
UniProt Accession #	Q6NUK1; Q5T331; Q5T485; Q6PJJ9; Q705K4; Q9P129; B7ZAI9
Molecular Weight	51,354 Da
NCBI Official Full Name	calcium-binding mitochondrial carrier protein SCaMC-1 isoform 1
NCBI Official Synonym Full Names	solute carrier family 25 member 24
NCBI Official Symbol	SLC25A24
NCBI Official Synonym Symbols	APC1; SCAMC1; SCAMC-1
NCBI Protein Information	calcium-binding mitochondrial carrier protein SCaMC-1
UniProt Protein Name	Calcium-binding mitochondrial carrier protein SCaMC-1
UniProt Gene Name	SLC25A24
UniProt Synonym Gene Names	APC1; MCSC1; SCAMC1

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/slc25a24-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/234233>