

Rabbit anti-Human SLC25A6 Polyclonal Antibody | anti-SLC25A6 antibody

SLC25A6 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289349	Rabbit	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

SLC25A6; Polyclonal Antibody; SLC25A6 Antibody (Center); ADP/ATP translocase 3; ADP; ATP carrier protein 3; ATP carrier protein; isoform T2; ANT 2; Adenine nucleotide translocator 3; ANT 3; Solute carrier family 25 member 6; N-terminally processed; ANT3; anti-SLC25A6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SLC25A6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 128-155 amino acids from the Central region of human SLC25A6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.44 (varies by lot)
Sequence Positions	128-155
Sequence Length	298
Applicable Applications for anti-SLC25A6 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Clone Names	RB32242
Function	Catalyzes the exchange of cytoplasmic ADP with mitochondrial ATP across the mitochondrial inner membrane. May participate in the formation of the permeability transition pore complex (PTPC) responsible for the release of mitochondrial products that triggers apoptosis.
Cellular Location	Mitochondrion inner membrane; Multi-pass membrane protein. Note=The complex formed with ARL2BP, ARL2 and SLC25A6 is expressed in mitochondria.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
SLC25A6 Antibody (Center) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of SLC25A6 Antibody (Center) with A549 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
SLC25A6 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SLC25A6 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
SLC25A6 Antibody (Center) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the SLC25A6 antibody detected the SLC25A6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SLC25A6 antibody	This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the mitochondrial matrix into the cytoplasm. The protein is implicated in the function of the permability transition pore complex (PTPC), which regulates the release of mitochondrial products that induce apoptosis. The human genome contains several non-transcribed pseudogenes of this gene.
Product Categories/Family for anti-SLC25A6 antibody	Cell Biology; Metabolism; Signal transduction
References	Danishuddin, M., et al. J Mol Model 16(3):535-541(2010) Hu, Z., et al. FEBS Lett. 583(2):383-388(2009) Yang, Z., et al. Mol. Biol. Cell 18(11):4681-4689(2007) Tu, L.C., et al. Mol. Cell Proteomics 6(4):575-588(2007) Jang, J.Y., et al. Cell. Immunol. 241(1):14-25(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	156071462
NCBI GeneID	293
NCBI Accession #	NP_001627.2
NCBI GenBank Nucleotide #	NM_001636.3
UniProt Accession #	P12236; Q96C49
Molecular Weight	32866
NCBI Official Full Name	ADP/ATP translocase 3
NCBI Official Synonym Full Names	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6
NCBI Official Symbol	SLC25A6
NCBI Official Synonym Symbols	2; 3; ANT; AAC3; ANT3; ANT 2; ANT 3; ANT3Y
NCBI Protein Information	ADP/ATP translocase 3

UniProt Protein Name	ADP/ATP translocase 3
UniProt Gene Name	SLC25A6
UniProt Synonym Gene Names	ANT3; ANT 2; ANT 3
UniProt Entry Name	ADT3_HUMAN

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/slc25a6-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/289349>