

Rabbit SLC25A4 Polyclonal Antibody | anti-SLC25A4 antibody

SLC25A4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326439	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

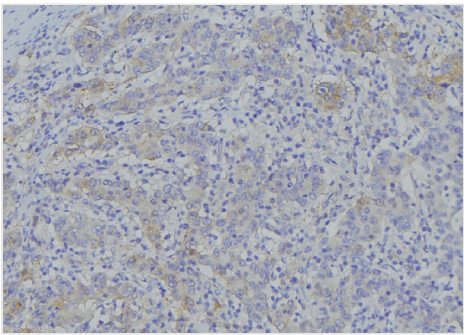
PRODUCT SYNONYMS

SLC25A4; Polyclonal Antibody; SLC25A4 Antibody; AAC1; Adenine nucleotide translocator 1 (skeletal muscle); Adenine nucleotide translocator 1; ADP; ADP ATP carrier protein 1; ADP ATP carrier protein heart/skeletal muscle isoform T1; ADP/ATP translocase 1; ADT1_HUMAN; ANT 1; ANT; ANT1; ATP carrier protein 1; ATP carrier protein; heart/skeletal muscle isoform T1; PEO2; PEO3; Solute carrier family 25 member 4; T1; anti-SLC25A4 antibody

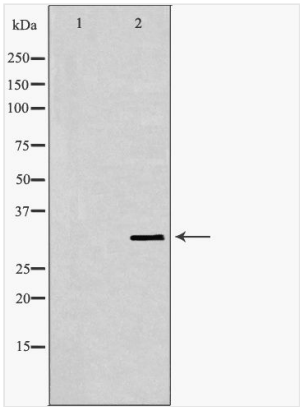
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC25A4 antibody detects endogenous levels of total SLC25A4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
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	298
Applicable Applications for anti-SLC25A4 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SLC25A4
Subcellular Location	Mitochondrion Inner Membrane.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326439 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of HepG2 cell lysate, using SLC25A4 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC25A4 antibody	Description: 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 cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Mutations in this gene have been shown to result in autosomal dominant progressive external opthalmoplegia and familial hypertrophic cardiomyopathy. Function: Involved in mitochondrial ADP/ATP transport. Catalyzes the exchange of cytoplasmic ADP with mitochondrial ATP across the mitochondrial inner membrane. Subunit Structure: Found in a complex with ARL2, ARL2BP and SLC25A4. Interacts with ARL2BP (By similarity). Homodimer. Interacts with HIV-1 Vpr. Similarity: The transmembrane helices are not perpendicular to the plane of the membrane, but cross the membrane at an angle. Odd-numbered transmembrane helices exhibit a sharp kink, due to the presence of a conserved proline residue. Belongs to the mitochondrial carrier (TC 2.A.29) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55749577
NCBI GeneID	291
NCBI Accession #	NP_001142.2
NCBI GenBank Nucleotide #	NM_001151.3
UniProt Accession #	P12235; D3DP59
Molecular Weight	Observed: 33 kDa Predicted: 34 kDa
NCBI Official Full Name	ADP/ATP translocase 1
NCBI Official Synonym Full Names	solute carrier family 25 member 4
NCBI Official Symbol	SLC25A4
NCBI Official Synonym Symbols	T1; ANT; AAC1; ANT1; PEO2; PEO3; ANT 1; PEOA2; MTDPS12; MTDPS12A
NCBI Protein Information	ADP/ATP translocase 1
UniProt Protein Name	ADP/ATP translocase 1
UniProt Gene Name	SLC25A4
UniProt Synonym Gene Names	ANT1; ANT 1

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/slc25a4-antibody-immunohistochemistry-western-blot-elisa/326439>