

Rabbit SLC25A51/52 Polyclonal Antibody | anti-SLC25A51/52 antibody

Anti-SLC25A51/52 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126647	Rabbit	Human, Monkey, Mouse	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

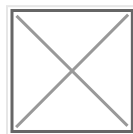
PRODUCT SYNONYMS

SLC25A51/52; Polyclonal Antibody; Anti-SLC25A51/52 Antibody Picoband; anti-SLC25A51/52 antibody

PRODUCT SPECIFICATIONS

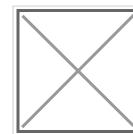
Host	Rabbit
Reactivity	Human, Monkey, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SLC25A51/52 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human SLC25A51/52 recombinant protein (Position: M1-E291).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 5. IF analysis of SLC25A51/52 using anti-SLC25A51/52 antibody (AAA126647). SLC25A51/52 was detected in an immunocytochemical section of HeLa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-SLC25A51/52 Antibody (AAA126647) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



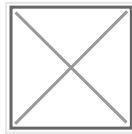
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of U251 cells using anti-SLC25A51/52 antibody (AAA126647). Overlay histogram showing U251 cells stained with AAA126647 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SLC25A51/52 Antibody (AAA126647, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



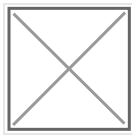
IHC (Immunohistochemisry)

Figure 3. IHC analysis of SLC25A51/52 using anti-SLC25A51/52 antibody (AAA126647).SLC25A51/52 was detected in a paraffin-embedded section of human serous adenocarcinoma of ovary tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SLC25A51/52 Antibody (AAA126647) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of SLC25A51/52 using anti-SLC25A51/52 antibody (AAA126647).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: monkey COS-7 whole cell lysates,Lane 3: mouse NIH/3T3 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SLC25A51/52 antigen affinity purified polyclonal antibody (#AAA126647) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SLC25A51/52 at approximately 45 kDa. The expected band size for SLC25A51/52 is at 34 kDa.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of SLC25A51/52 using anti-SLC25A51/52 antibody (AAA126647).SLC25A51/52 was detected in a paraffin-embedded section of human laryngeal squamous cell carcinomas tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SLC25A51/52 Antibody (AAA126647) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC25A51/52 antibody	SLC25A51 gene ontology annotations related to this gene include transmembrane transporter activity.
Product Categories/Family for anti-SLC25A51/52 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	15529972
NCBI GeneID	92014
NCBI Accession #	NP_219480.1
NCBI GenBank Nucleotide #	NM_033412.3
UniProt Accession #	Q9H1U9; Q3SY17
Molecular Weight	33,672 Da
NCBI Official Full Name	solute carrier family 25 member 51
NCBI Official Synonym Full Names	solute carrier family 25, member 51
NCBI Official Symbol	SLC25A51
NCBI Official Synonym Symbols	CG7943; MCART1
NCBI Protein Information	solute carrier family 25 member 51; mitochondrial carrier triple repeat 1; mitochondrial carrier triple repeat protein 1
UniProt Protein Name	Solute carrier family 25 member 51

UniProt Gene Name	SLC25A51
UniProt Synonym Gene Names	MCART1
UniProt Entry Name	S2551_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/slc25a51-52-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/126647>