Product datasheet

Anti-SLC25A51/52 Antibody

Catalog Number: *A17353*

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antibody and ELISA experts
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Basic Information

Product Name	Anti-SLC25A51/52 Antibody
Gene Name	SLC25A51/SLC25A52
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, monkey, mouse
Tested Application	WB, IHC, FCM, ICC/IF, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human SLC25A51/52 recombinant protein (Position: M1-E291). Human SLC25A51/52 shares 87% and 86.3% amino acid (aa) sequence identity with mouse and rat SLC25A51/52, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	45 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

SLC25A51 gene ontology annotations related to this gene include transmembrane transporter activity.

Selected Validation Data

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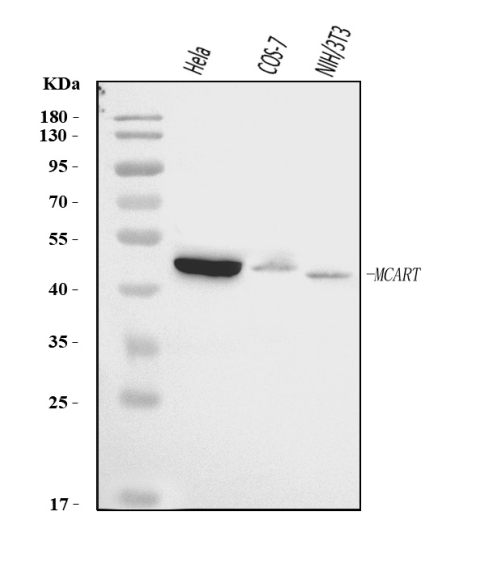

Figure 1. Western blot analysis of SLC25A51/52 using anti-SLC25A51/52 antibody (A17353). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Hela whole cell lysates,
Lane 2: COS-7 whole cell lysates,
Lane 3: NIH/3T3 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-SLC25A51/52 antigen affinity purified polyclonal antibody (A17353) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for SLC25A51/52 at approximately 45 kDa. The expected band size for SLC25A51/52 is at 34 kDa.

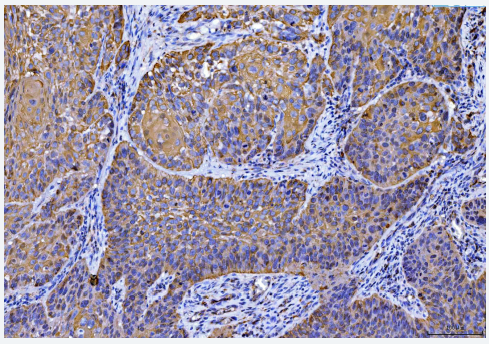

Figure 2. IHC analysis of SLC25A51/52 using anti-SLC25A51/52 antibody (A17353).
SLC25A51/52 was detected in a paraffin-embedded section of human Laryngeal squamous cell carcinomas tissue. The tissue section was incubated with rabbit anti-SLC25A51/52 Antibody (A17353) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1022) as the chromogen.

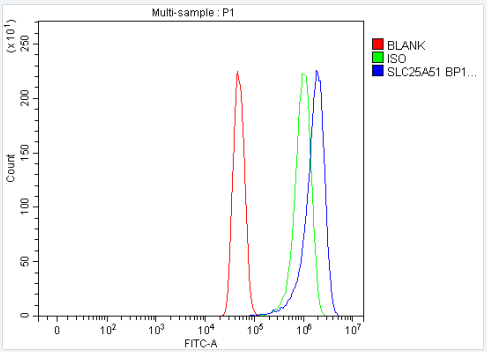

Figure 4. Flow Cytometry analysis of U251 cells using anti-SLC25A51/52 antibody (A17353).
Overlay histogram showing U251 cells stained with A17353 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SLC25A51/52 Antibody (A17353) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody

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and secondary antibody (Red line) was used as a blank control.

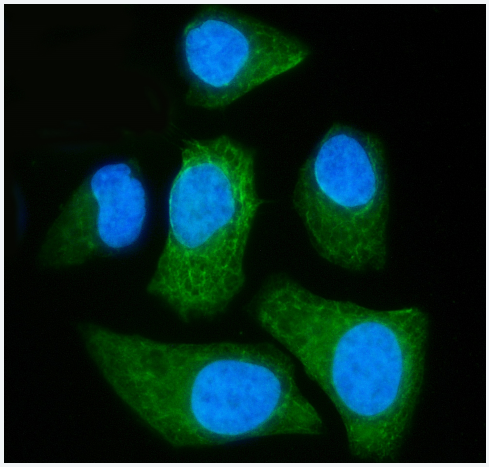

Figure 5. IF analysis of SLC25A51/52 using anti-SLC25A51/52 antibody (A17353).
SLC25A51/52 was detected in an immunocytochemical section of Hela cells. The section was incubated with rabbit anti-SLC25A51/52 Antibody (A17353) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).