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SLC25A17 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9172a

Specification

SLC25A17 Antibody (N-term) - Product Information

Application	**FC, WB,E**
Primary Accession	O43808
Other Accession	O70579
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**34567**
Antigen Region	**17-44**

SLC25A17 Antibody (N-term) - Additional Information

Gene ID 10478

Other Names
Peroxisomal membrane protein PMP34, 34 kDa peroxisomal membrane protein, Solute carrier family 25 member 17, SLC25A17, PMP34

Target/Specificity
This SLC25A17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-44 amino acids from the N-terminal region of human SLC25A17.

Dilution
FC~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SLC25A17 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC25A17 Antibody (N-term) - Protein Information

Name SLC25A17 {ECO:0000303|PubMed:22185573, ECO:0000312|HGNC:HGNC:10987}

Function Peroxisomal transporter for multiple cofactors like coenzyme A (CoA), flavin adenine dinucleotide (FAD), flavin mononucleotide (FMN) and nucleotide adenosine monophosphate (AMP), and to a lesser extent for nicotinamide adenine dinucleotide (NAD(+)), adenosine diphosphate (ADP) and adenosine 3',5'-diphosphate (PAP). May catalyze the transport of free CoA, FAD and NAD(+) from the cytosol into the peroxisomal matrix by a counter-exchange mechanism.

Cellular Location
Cytoplasm. Peroxisome membrane; Multi-pass membrane protein

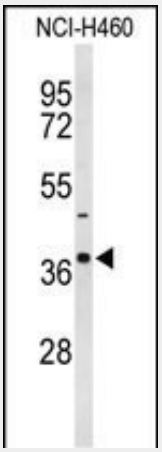
Tissue Location
Ubiquitous. Expressed in liver.

SLC25A17 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SLC25A17 Antibody (N-term) - Images



Western blot analysis of SLC25A17 Antibody (N-term) (Cat. #AP9172a) in NCI-H460 cell line lysates (35ug/lane). SLC25A17 (arrow) was detected using the purified Pab.

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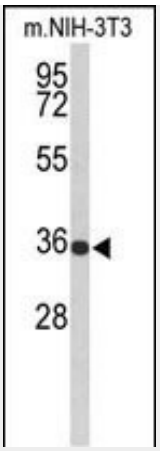
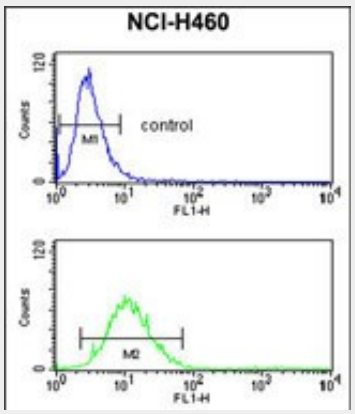


Western blot analysis of SLC25A17 Antibody (N-term) (Cat. #AP9172a) in Mouse NIH-3T3 cell line lysates (35ug/lane). SLC25A17 (arrow) was detected using the purified Pab.



SLC25A17 Antibody (N-term) (Cat. #AP9172a) flow cytometry analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

SLC25A17 Antibody (N-term) - Background

This protein encodes a selenoprotein, which contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3' UTR of selenoprotein genes have a common stem-loop structure, the sec insertion sequence (SECIS), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Studies suggest that this protein may regulate cytokine production, and thus play a key role in the control of the inflammatory response.

SLC25A17 Antibody (N-term) - References

McGeachie,M., et.al., Circulation 120 (24), 2448-2454 (2009)
Kelly,E., et.al., J. Biol. Chem. 284 (25), 16891-16897 (2009)