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SLC25A17 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9172a

Product Information

Application	WB, FC, E
Primary Accession	O43808
Other Accession	O70579
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22650
Calculated MW	34567
Antigen Region	17-44

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	WB~~1:1000 FC~~1:10~50 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.

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.

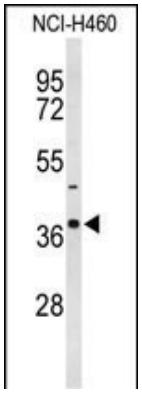
Background

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.

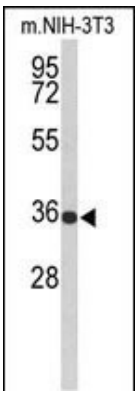
References

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

Images

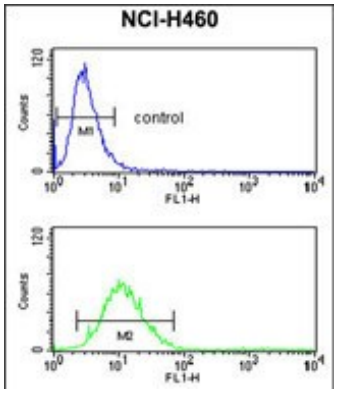


Western blot analysis of SLC25A17 Antibody (N-term) (Cat. #AP9172a) in NCI-H460 cell line lysates (35ug/lane). SLC25A17 (arrow) was detected using the purified Pab.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.