



SLC25A26 Rabbit mAb

Catalog No	YP-rAb-18496
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	SLC25A26,SAMC
Protein Name	Mitochondrial S-adenosylmethionine carrier protein (SAM carrier) (Solute carrier family 25 member 26)
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:1000-1:5000;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	SAMC
Observed Band	30kD
Calculated Molecular Weight	30kD
Cell Pathway	SUBCELLULAR LOCATION: Mitochondrion inner membrane {ECO:0000305 PubMed:14674884, ECO:0000305 PubMed:26522469}; Multi-pass membrane protein {ECO:0000255}.
Tissue Specificity	TISSUE SPECIFICITY: Widely expressed. Highly expressed in testis, with moderate expression in brain, heart, kidney, lung, skeletal muscle, pancreas, small intestine and liver, and low expression in spleen. {ECO:0000269 PubMed:14674884}.
Function	Mitochondrial S-adenosyl-L-methionine/S-adenosyl-L-homocysteine antiporter. Mediates the exchange of cytosolic S-adenosyl-L-methionine, the predominant methyl-group donor for macromolecule methylation processes, for mitochondrial S-adenosylhomocysteine(SAH), a by-product of methylation reactions. {ECO:0000269 PubMed:14674884, ECO:0000269 PubMed:26522469, ECO:0000269 PubMed:35024855}.
Background	This gene product is one of several closely related mitochondrial-membrane carrier proteins that shuttle substrates between cytosol and the intramitochondrial matrix space. This protein mediates the transport of acylcarnitines into

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mitochondrial matrix for their oxidation by the mitochondrial fatty acid-oxidation pathway. Mutations in this gene are associated with carnitine-acylcarnitine translocase deficiency, which can cause a variety of pathological conditions such as hypoglycemia, cardiac arrest, hepatomegaly, hepatic dysfunction and muscle weakness, and is usually lethal in new born and infants. [provided by RefSeq, Jul 2008]

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Western blot analysis of lysates from Human skeletal muscle cell, primary antibody was diluted at 1:1000, 4° over night, Dylight 800 secondary antibody was diluted at 1:10000, 37° 1hour.

