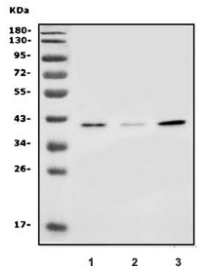
SLC25A19 Antibody (RQ6117)

Catalog No.	Formulation	Size
RQ6117	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9HC21
Applications	Western blot: 1-2ug/ml
Limitations	This SLC25A19 antibody is available for research use only.



Western blot testing of human 1) HEK293, 2) PC-3 and 3) MCF7 lysate with SLC25A19 antibody. Predicted molecular weight ~41 kDa.

Description

Mitochondrial thiamine pyrophosphate carrier is a protein that in humans is encoded by the SLC25A19 gene. This gene encodes a mitochondrial protein that is a member of the solute carrier family. Although this protein was initially thought to be the mitochondrial deoxynucleotide carrier involved in the uptake of deoxynucleotides into the matrix of the mitochondria, further studies have demonstrated that this protein instead functions as the mitochondrial thiamine pyrophosphate carrier, which transports thiamine pyrophosphates into mitochondria. Mutations in this gene cause microcephaly, Amish type, a metabolic disease that results in severe congenital microcephaly, severe 2-ketoglutaric aciduria, and death within the first year. Multiple alternatively spliced variants, encoding the same protein, have been

identified for this gene.

Application Notes

Optimal dilution of the SLC25A19 antibody should be determined by the researcher.

Immunogen

Amino acids PFDVIKIRFQLQHERL from the human protein were used as the immunogen for the SLC25A19 antibody.

Storage

After reconstitution, the SLC25A19 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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