# SLC25A19 Antibody (RQ6117)

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

**Bulk quote request**

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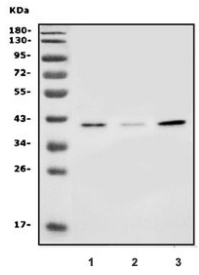
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS 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.