

## Anti-SLC25A19 Antibody

---



### Description

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.

|                           |                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>              | STJ114600                                                                                                               |
| <b>Host</b>               | Rabbit                                                                                                                  |
| <b>Reactivity</b>         | Mouse                                                                                                                   |
| <b>Applications</b>       | WB                                                                                                                      |
| <b>Immunogen</b>          | Recombinant fusion protein containing a sequence corresponding to amino acids 1-80 of human SLC25A19 (NP_068380.3).     |
| <b>Gene ID</b>            | <a href="#">60386</a>                                                                                                   |
| <b>Gene Symbol</b>        | <a href="#">SLC25A19</a>                                                                                                |
| <b>Dilution range</b>     | WB 1:1000 - 1:2000                                                                                                      |
| <b>Tissue Specificity</b> | Expressed in all tissues examined except for placenta, Highest levels in colon, kidney, lung, testis, spleen, and brain |
| <b>Purification</b>       | Affinity purification                                                                                                   |

|                              |                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Note</b>                  | For Research Use Only (RUO).                                                                                       |
| <b>Protein Name</b>          | Mitochondrial thiamine pyrophosphate carrier Mitochondrial uncoupling protein 1 Solute carrier family 25 member 19 |
| <b>Molecular Weight</b>      | 35.511 kDa                                                                                                         |
| <b>Clonality</b>             | Polyclonal                                                                                                         |
| <b>Conjugation</b>           | Unconjugated                                                                                                       |
| <b>Isotype</b>               | IgG                                                                                                                |
| <b>Formulation</b>           | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                  |
| <b>Storage Instruction</b>   | Store at -20C. Avoid freeze / thaw cycles.                                                                         |
| <b>Database Links</b>        | <a href="#">HGNC:14409</a> <a href="#">OMIM:606521</a> <a href="#">Reactome:R-HSA-196819</a>                       |
| <b>Alternative Names</b>     | Mitochondrial thiamine pyrophosphate carrier Mitochondrial uncoupling protein 1 Solute carrier family 25 member 19 |
| <b>Function</b>              | Mitochondrial transporter mediating uptake of thiamine pyrophosphate (ThPP) into mitochondria,                     |
| <b>Cellular Localization</b> | Mitochondrion inner membrane                                                                                       |

---

**St John's Laboratory Ltd**

**F** +44 (0)207 681 2580

**T** +44 (0)208 223 3081

**W** <http://www.stjohnslabs.com/>

**E** [info@stjohnslabs.com](mailto:info@stjohnslabs.com)