SLC25A19 Polyclonal Antibody

Catalog No: #27682

Package Size: #27682-1 50ul #27682-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

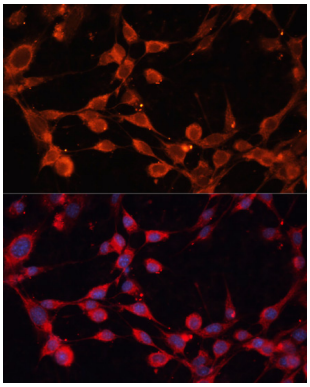
Description

Product Name	SLC25A19 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human SLC25A19 (NP_068380.3).
Other Names	SLC25A19; DNC; MCPHA; MUP1; THMD3; THMD4; TPC; solute carrier family 25 member 19
Accession No.	Swiss-Prot#:Q9HC21NCBI Gene ID:60386
Uniprot	Q9HC21
GeneID	60386;
Calculated MW	36kDa
Formulation	Avoid freeze / thaw cycles.|Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

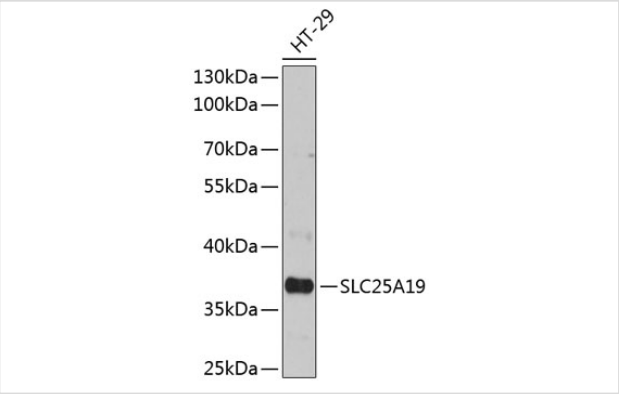
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

Images



Immunofluorescence analysis of NIH/3T3 cells using SLC25A19 at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of HT-29 cells, using SLC25A19 at 1:3000 dilution.

Background

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.

Note: This product is for in vitro research use only