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Datasheet for ABIN2781675

anti-SLC25A19 antibody (Middle Region)

1 Image

Overview

Quantity:	100 µL
Target:	SLC25A19
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Dog, Guinea Pig, Horse, Saccharomyces cerevisiae, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC25A19 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SLC25A19
Sequence:	VHRGSVYDAR EFSVHFVCGG LAACMATLTV HPVDVLRTRF AAQGEPKVYN
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 93%, Yeast: 77%
Characteristics:	This is a rabbit polyclonal antibody against SLC25A19. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	SLC25A19
Alternative Name:	SLC25A19 (SLC25A19 Products)

Target Details

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.

Alias Symbols: DNC, MCPHA, MUP1, TPC, THMD3, THMD4

Protein Interaction Partner: UBC,

Protein Size: 320

Molecular Weight: 35 kDa

Gene ID: 60386

NCBI Accession: [NM_021734](#), [NP_068380](#)

UniProt: [Q9HC21](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 320 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

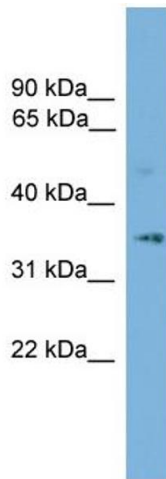
Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-SLC25A19 Antibody Titration:
0.2-1 ug/ml Positive Control: HepG2 cell lysate