



Anti-SLC25A19 (aa 244-274) polyclonal antibody (CABT-BL3312)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide conjugated to KLH, corresponding to a region within C terminal amino acids 244-274 of Human SLC25A19
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Cellular Localization	Mitochondrion inner membrane; Multi-pass membrane protein.
Format	Liquid
Buffer	PBS
Preservative	0.09% Sodium Azide
Storage	Store at 4°C (up to 6 months). For long term storage store at -20°C

BACKGROUND

Introduction	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
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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.

GENE INFORMATION

Entrez Gene ID	60386
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Protein Refseq	NP_068380
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UniProt ID	Q5JPC1
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