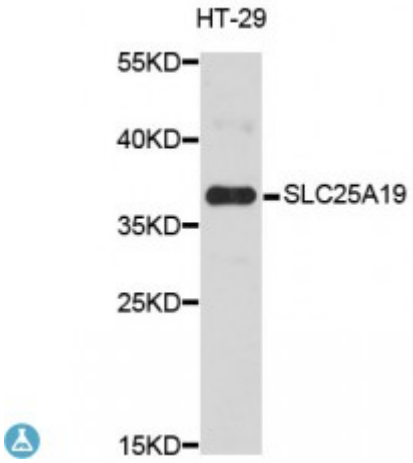
Anti-SLC25A19 Antibody



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.

Model	STJ114251
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-80 of human SLC25A19 (NP_068380.3).
Gene ID	60386
Gene Symbol	SLC25A19
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed in all tissues examined except for placenta, Highest levels in colon, kidney, lung, testis, spleen, and brain
Purification	Affinity purification

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