

SLC25A14 monoclonal antibody (M01), clone 1C12

Catalog # H00009016-M01

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant SLC25A14.
Immunogen	SLC25A14 (NP_003942.1, 1 a.a. ~ 325 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGIFPGIILIFLRVKFATAAVIVSGHQKSTTVSHEMSGLNWKPFVYGGGLASVAEFGTFPVDLTCTRL QVQQGSIDARFKEIKYRGMFHALFRICKEEGLALYSGIAPALLRQASYGTIKIGYQSLKRLFVERLE DETLINMICGVVSGVISSTIANPTDVLKIRMQAQGSFQGS MIGSFIDYQQEGTRGLWRGVVPTAQ RAAIVGVVELPVYDITKKHLILSGMMGDTILTHFVSSFTCGLAGALASNPVDVVRTRMMNQRAIVGH VDLYKGTVDGILKMWKHEGFFALYKGFWP NWLRLGPWNIIFFITYEQLKRLQI
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — SLC25A14

Entrez GeneID [9016](#)

GeneBank Accession# [NM_003951.2](#)

Protein Accession#	NP_003942.1
Gene Name	SLC25A14
Gene Alias	BMCP1, MGC149543, UCP5
Gene Description	solute carrier family 25 (mitochondrial carrier, brain), member 14
Omim ID	300242
Gene Ontology	Hyperlink
Gene Summary	<p>Mitochondrial uncoupling proteins (UCP) are members of the larger family of mitochondrial anion carrier proteins (MACP). UCPs separate oxidative phosphorylation from ATP synthesis with energy dissipated as heat, also referred to as the mitochondrial proton leak. UCPs facilitate the transfer of anions from the inner to the outer mitochondrial membrane and the return transfer of protons from the outer to the inner mitochondrial membrane. They also reduce the mitochondrial membrane potential in mammalian cells. Tissue specificity occurs for the different UCPs and the exact methods of how UCPs transfer H⁺/OH⁻ are not known. UCPs contain the three homologous protein domains of MACPs. This gene is widely expressed in many tissues with the greatest abundance in brain and testis. The gene product has an N-terminal hydrophobic domain that is not present in other UCPs. Two splice variants have been found for this gene. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000024012 OTTHUMP00000024013 brain mitochondrial carrier protein 1 mitochondrial uncoupling protein 5 solute carrier family 25, member 14

Disease

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)