

SLC25A14 rabbit monoclonal antibody

Catalog # H00009016-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SLC25A14 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SLC25A14 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SLC25A14 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — SLC25A14

Entrez GeneID	9016
GeneBank Accession#	SLC25A14
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	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]
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](#)