

# SLC25A31 rabbit monoclonal antibody

Catalog # H00083447-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human SLC25A31 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human SLC25A31 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human SLC25A31 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	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) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — SLC25A31

Entrez GeneID	<a href="#">83447</a>
GeneBank Accession#	<a href="#">SLC25A31</a>
Gene Name	SLC25A31
Gene Alias	AAC4, ANT4, DKFZp434N1235, SFEC35kDa
Gene Description	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31
Omim ID	<a href="#">610796</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	Mitochondrial ADP/ATP carriers, such as SLC25A31, are nuclear-coded mitochondrial proteins that catalyze the exchange of ATP generated in mitochondria by ATP synthase (see MIM 108729) against ADP produced in cytosol by most energy-consuming reactions (Dolce et al., 2005 [PubMed 15670820]).[supplied by OMIM]
Other Designations	adenine nucleotide translocase 4 sperm flagellar energy carrier

## Pathway

- [Calcium signaling pathway](#)