ISCU rabbit monoclonal antibody

Catalog # H00023479-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ISCU peptide using ARM Technology.
Immunogen	A synthetic peptide of human ISCU 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 ISCU 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 — ISCU

Entrez GeneID	23479
GeneBank Accession#	ISCU
Gene Name	ISCU
Gene Alias	2310020H20Rik, HML, ISU2, MGC74517, NIFU, NIFUN, hnifU
Gene Description	iron-sulfur cluster scaffold homolog (E. coli)
Gene Ontology	Hyperlink
Gene Summary	Iron-sulfur (Fe-S) clusters are necessary for several mitochondrial enzymes and other subcellular compartment proteins. They contain sulfur and iron, and are created via several steps that include cysteine desulfurases, iron donors, chaperones, and scaffold proteins. This gene encodes the two isomeric forms, ISCU1 and ISCU2, of the Fe-S cluster scaffold protein. Mutations in this gene have been found in patients with myopathy with severe exercise intolerance and myoglobinuria. [provided by RefSeq
Other Designations	IscU iron-sulfur cluster scaffold homolog|NifU-like N-terminal domain containing|iron-sulfur cluster assembly enzyme|nitrogen fixation cluster-like