

Rabbit anti-Human, mouse ISCU Polyclonal Antibody | anti-ISCU antibody

ISCU Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287704	Rabbit	Human, mouse	ELISA, Western Blot

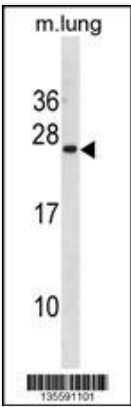
PRODUCT SYNONYMS

ISCU; Polyclonal Antibody; ISCU Antibody (C-term); Iron-sulfur cluster assembly enzyme ISCU; mitochondrial; NifU-like N-terminal domain-containing protein; NifU-like protein; NIFUN; anti-ISCU antibody

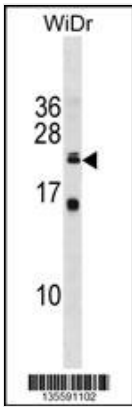
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ISCU antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 138-167 amino acids from the C-terminal region of human ISCU.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.29 (varies by lot)
Sequence Positions	138-167
Sequence Length	142
Applicable Applications for anti-ISCU antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
ISCU Antibody (C-term) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the ISCU antibody detected the ISCU protein (arrow).



WB (Western Blot)
ISCU Antibody (C-term) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the ISCU antibody detected the ISCU protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ISCU antibody	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.
Product Categories/Family for anti-ISCU antibody	Metabolism; Signal Transduction
References	Chen, Z., et al. Oncogene 29(30):4362-4368(2010) Chan, S.Y., et al. Cell Metab. 10(4):273-284(2009) Kollberg, G., et al. Brain 132 (PT 8), 2170-2179 (2009) : Huang, J., et al. J. Biol. Inorg. Chem. 13(5):825-836(2008) Mochel, F., et al. Am. J. Hum. Genet. 82(3):652-660(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	24307953
NCBI GeneID	23479
NCBI Accession #	NP_055116.1; NP_998760.1
NCBI GenBank Nucleotide #	NM_014301.4
UniProt Accession #	Q9H1K1; Q6P713; Q99617; Q9H1K2
Molecular Weight	17999
NCBI Official Full Name	iron-sulfur cluster assembly enzyme ISCU, mitochondrial isoform ISCU1
NCBI Official Synonym Full Names	iron-sulfur cluster assembly enzyme
NCBI Official Symbol	ISCU
NCBI Official Synonym Symbols	HML; ISU2; NIFU; NIFUN; hnifU; 2310020H20Rik
NCBI Protein Information	iron-sulfur cluster assembly enzyme ISCU, mitochondrial
UniProt Protein Name	Iron-sulfur cluster assembly enzyme ISCU, mitochondrial

UniProt Gene Name	ISCU
UniProt Synonym Gene Names	NIFUN
UniProt Entry Name	ISCU_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/iscu-antibody-western-blot-elisa/287704>