

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

ISCU Antibody

CATALOG # AAA231320	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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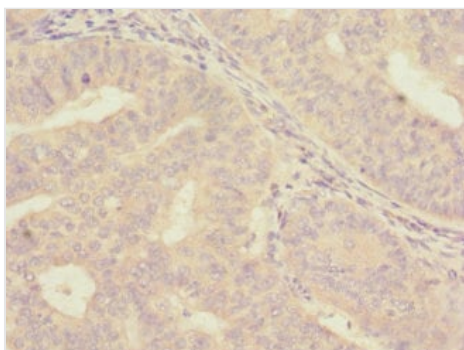
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

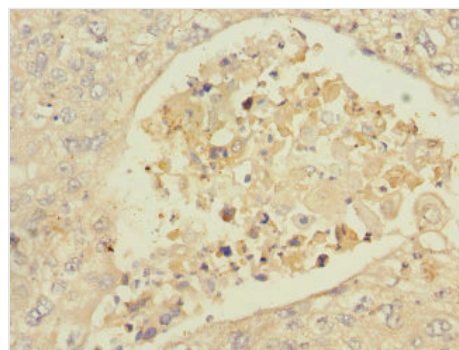
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	154
Applicable Applications for anti-ISCU antibody	IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Iron-sulfur cluster assembly enzyme ISCU, mitochondrial protein (1-167AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-16784 / sc-31743 / sc-31744 / sc-28860
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human endometrial cancer using AAA231320 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using AAA231320 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-ISCU antibody	Scaffold protein for the de novo synthesis of iron-sulfur (Fe-S) clusters within mitochondria, which is required for maturation of both mitochondrial and cytoplasmic [2Fe-2S] and [4Fe-4S] proteins (PubMed:11060020). First, a [2Fe-2S] cluster is transiently assembled on the scaffold protein ISCU. In a second step, the cluster is released from ISCU, transferred to a glutaredoxin GLRX5, followed by the formation of mitochondrial [2Fe-2S] proteins, the synthesis of [4Fe-4S] clusters and their target-specific insertion into the recipient apoproteins. Cluster assembly on ISCU depends on the function of the cysteine desulfurase complex NFS1-LYRM4/ISD11, which serves as the sulfur donor for cluster synthesis, the iron-binding protein frataxin as the putative iron donor, and the electron transfer chain comprised of ferredoxin reductase and ferredoxin, which receive their electrons from NADH (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	987996593
NCBI GeneID	23479
NCBI Accession #	NP_001306971.1
NCBI GenBank Nucleotide #	NM_001320042.1
UniProt Accession #	Q9H1K1; Q6P713; Q99617; Q9H1K2
Molecular Weight	15,263 Da
NCBI Official Full Name	iron-sulfur cluster assembly enzyme ISCU, mitochondrial isoform 3
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/iscu-antibody-immunohistochemistry-elisa/231320>