

ISCU

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW: 18kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human ISCU

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

HML; ISU2; NIFU; NIFUN; hnifU; 2310020H20Rik;

Catalog #: A7082

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 23479

Isotype: IgG

Swiss Prot: Q9H1K1

Purity: Affinity purification

For research use only.

Background:

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. A pseudogene of this gene is present on chromosome 1. Alternative splicing results in multiple transcript variants encoding different isoforms.

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