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Datasheet for ABIN7468499 **anti-ISCU antibody**

Overview

Quantity:	100 µL
Target:	ISCU
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ISCU antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human ISCU. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	ISCU
Alternative Name:	iron-sulfur cluster assembly enzyme (ISCU Products)
Background:	Synonyms: iron-sulfur cluster assembly enzyme , 2310020H20Rik , HML , ISU2 , NIFU , NIFUN , hnifU

Target Details

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. [provided by RefSeq]

Molecular Weight: 18 kDa

Gene ID: 23479

UniProt: [Q9H1K1](#)

Application Details

Application Notes: WB: 1:500-1:10000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: U87-MG , SK-N-SH , IMR32 , SK-N-AS , ISCU-transfected 293T Validation: Overexpression

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.66 mg/mL

Buffer: 1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.