

ARG43153 anti-CISD1 / mitoNEET antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CISD1 / mitoNEET
Tested Reactivity	Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CISD1 / mitoNEET
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 29-108 of Human CISD1 / mitoNEET (NP_060934.1).
Conjugation	Un-conjugated
Alternate Names	MDS029; mitoNEET; C10orf70; CDGSH iron-sulfur domain-containing protein 1; MitoNEET; ZCD1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	~ 14 kDa	

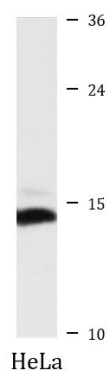
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CISD1
Gene Full Name	CDGSH iron sulfur domain 1
Background	This gene encodes a protein with a CDGSH iron-sulfur domain and has been shown to bind a redox-active [2Fe-2S] cluster. The encoded protein has been localized to the outer membrane of mitochondria and is thought to play a role in regulation of oxidation. Genes encoding similar proteins are located on chromosomes 4 and 17, and a pseudogene of this gene is located on chromosome 2. [provided by RefSeq, Feb 2012]
Function	Plays a key role in regulating maximal capacity for electron transport and oxidative phosphorylation (By similarity). May be involved in Fe-S cluster shuttling and/or in redox reactions. [UniProt]
Calculated Mw	12 kDa
PTM	Ubiquitinated by PRKN during mitophagy, leading to its degradation and enhancement of mitophagy. Deubiquitinated by USP30. [UniProt]
Cellular Localization	Mitochondrion outer membrane; Single-pass type III membrane protein. [UniProt]

Images



ARG43153 anti-CISD1 / mitoNEET antibody WB image

Western blot: 25 µg of HeLa cell lysate stained with ARG43153 anti-CISD1 / mitoNEET antibody at 1:1000 dilution.