

Rabbit CISD1 Polyclonal Antibody | anti-CISD1 antibody

CISD1 Antibody

CATALOG # AAA322865	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Zebrafish	APPLICATIONS Immunohistochemistry, Western Blot
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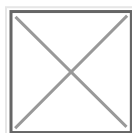
PRODUCT SYNONYMS

CISD1; Polyclonal Antibody; CISD1 Antibody; AU043990; AW743335; C10orf70; CDGSH iron sulfur domain 1; CDGSH iron-sulfur domain-containing protein 1; CISD 1; CISD1_HUMAN; D10Ert214e; MDS029; MGC14684; MitoNEET; RGD1309529; ZCD1; Zinc finger CDGSH type domain 1; anti-CISD1 antibody

PRODUCT SPECIFICATIONS

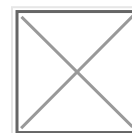
Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Clonality	Polyclonal
Isotype	IgG
Specificity	CISD1 antibody detects endogenous levels of CISD1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	108
Applicable Applications for anti-CISD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CISD1.
Subcellular Location	Mitochondrion Outer Membrane
Tissue Specificity	Expression is reduced in cells derived from cystic fibrosis patients.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (88%), Zebrafish (100%), Bovine (88%), Horse (88%), Sheep (88%), Rabbit (100%), Chicken (88%), Xenopus (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of HepG2 cells, using CISD1 antibody.



IHC (Immunohistochemistry)

AAA322865 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CISD1 antibody	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. Subunit Structure: Homodimer. Post-translational Modifications: Ubiquitinated by PRKN during mitophagy, leading to its degradation and enhancement of mitophagy. Deubiquitinated by USP30. Similarity: Belongs to the CISD protein family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8923930
NCBI GeneID	55847
NCBI Accession #	NP_060934.1
NCBI GenBank Nucleotide #	NM_018464.4
UniProt Accession #	Q9NZ45; Q1X902
Molecular Weight	Observed: 14-17 kDa Predicted: 13 kDa
NCBI Official Full Name	CDGSH iron-sulfur domain-containing protein 1
NCBI Official Synonym Full Names	CDGSH iron sulfur domain 1
NCBI Official Symbol	CISD1
NCBI Official Synonym Symbols	ZCD1; MDS029; C10orf70; mitoNEET
NCBI Protein Information	CDGSH iron-sulfur domain-containing protein 1
UniProt Protein Name	CDGSH iron-sulfur domain-containing protein 1
UniProt Gene Name	CISD1
UniProt Synonym Gene Names	C10orf70; ZCD1

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/cisd1-antibody-immunohistochemistry-western-blot-elisa/322865>