

Rabbit CISD2 Polyclonal Antibody | anti-CISD2 antibody

CISD2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40698	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

CISD2; Polyclonal Antibody; CISD2 Antibody; ERIS; WFS2; ZCD2; NAF-1; Miner1; CDGSH2; CDGSH iron-sulfur domain-containing protein 2; Endoplasmic reticulum intermembrane small protein; CDGSH iron sulfur domain 2; anti-CISD2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	CISD2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	135
Applicable Applications for anti-CISD2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	CISD2 antibody was raised against a 15 amino acid peptide near the center of human CISD2.
Buffer	CISD2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	CISD2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



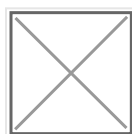
IF (Immunofluorescence)

Immunofluorescence of CISD2 in rat brain tissue with CISD2 antibody at 20 μg/ml.



IHC (Immunohistochemistry)

Immunohistochemistry of CISD2 in rat brain tissue with CISD2 antibody at 2.5 μg/ml.



WB (Western Blot)

Western blot analysis of CISD2 in rat brain tissue lysate with CISD2 antibody at (A) 1 and (B) 2 μg/ml

ADDITIONAL INFORMATION

Related Product Information for anti-CISD2 antibody	CISD2 Antibody: Defects in the CISD2 (CDGSH iron sulfur domain 2) gene are a cause of the neurodegenerative disorder Wolfram syndrome 2. CISD2 is a zinc finger protein that localizes to the endoplasmic reticulum and mitochondria and binds an iron/sulfur cluster. CISD2 interacts with Bcl-2 and can be displaced by the BH3-only protein BIK and contributes to the regulation of BIK-initiated autophagy. CISD2 deficiency in mice causes mitochondrial breakdown accompanied by autophagic cell death as well as the development of premature aging phenotype.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56605994
NCBI GeneID	493856
NCBI Accession #	NP_001008389
NCBI GenBank Nucleotide #	NM_001008388.4
UniProt Accession #	Q8N5K1; Q7Z3D5
Molecular Weight	Predicted: 15 kDa Observed: 15 kDa
NCBI Official Full Name	CDGSH iron-sulfur domain-containing protein 2
NCBI Official Synonym Full Names	CDGSH iron sulfur domain 2
NCBI Official Symbol	CISD2
NCBI Official Synonym Symbols	ERIS; WFS2; ZCD2; NAF-1; Miner1
NCBI Protein Information	CDGSH iron-sulfur domain-containing protein 2; mitoNEET-related 1 protein; zinc finger, CDGSH-type domain 2; nutrient-deprivation autophagy factor-1; endoplasmic reticulum intermembrane small protein
UniProt Protein Name	CDGSH iron-sulfur domain-containing protein 2
UniProt Gene Name	CISD2
UniProt Synonym Gene Names	CDGSH2; ERIS; ZCD2; Miner1; NAF-1
UniProt Entry Name	CISD2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cisd2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40698>