

Rabbit CISD2 Polyclonal Antibody | anti-CISD2 antibody

CISD2 Antibody

CATALOG # AAA322922	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

CISD2; Polyclonal Antibody; CISD2 Antibody; 1500009M05Rik; 1500026J14Rik; 1500031D15Rik; AI848398; B630006A20Rik; CDGSH iron sulfur domain 2; CDGSH iron-sulfur domain-containing protein 2; CDGSH type domain 2; CISD2_HUMAN; Endoplasmic reticulum intermembrane small protein; ERIS; Miner1; MitoNEET related 1; MitoNEET-related 1 protein; NAF-1; Noxp70; Nutrient deprivation autophagy factor 1; Nutrient-deprivation autophagy factor-1; OTTHUMP00000219576; RGD1566242; WFS2; Zcd2; Zinc finger; anti-CISD2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CISD2 antibody detects endogenous levels of CISD2.
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	135
Applicable Applications for anti-CISD2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CISD2.
Subcellular Location	Endoplasmic Reticulum Membrane. Mitochondrion Outer Membrane. According to PubMed:20010695, it mainly localizes to the endoplasmic reticulum. However, experiments in mouse showed that it mainly localizes to the mitochondrion outer membrane.
Tissue Specificity	Testis, small intestine, kidney, lung, brain, heart, pancreas and platelets.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%), Xenopus (91%)
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 mouse kidney tissue, using CISD2 antibody.



IHC (Immunohistochemistry)
AAA322922 at 1/100 staining Human brain cancer 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-CISD2 antibody	Function: Regulator of autophagy that contributes to antagonize BECN1-mediated cellular autophagy at the endoplasmic reticulum. Participates in the interaction of BCL2 with BECN1 and is required for BCL2-mediated depression of endoplasmic reticulum Ca2+ stores during autophagy. Contributes to BIK-initiated autophagy, while it is not involved in BIK-dependent activation of caspases. Involved in life span control, probably via its function as regulator of autophagy. Subunit Structure: Homodimer. Interacts with BCL2; the interaction is direct and disrupted by BIK interaction with BCL2. Interacts with BCL2L1. Interacts with ITPR1. Similarity: Belongs to the CISD protein family. CISD2 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56605994
NCBI GeneID	493856
NCBI Accession #	NP_001008389.1
NCBI GenBank Nucleotide #	NM_001008388.5
UniProt Accession #	Q8N5K1; Q7Z3D5
Molecular Weight	Observed: 13-15 kDa Predicted: 16 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
UniProt Protein Name	CDGSH iron-sulfur domain-containing protein 2
UniProt Gene Name	CISD2
UniProt Synonym Gene Names	CDGSH2; ERIS; ZCD2; Miner1; NAF-1

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.