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Datasheet for ABIN6991848
anti-CISD2 antibody (AA 40-90)

Overview

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|----------------------|--|
| Quantity: | 0.1 mg |
| Target: | CISD2 |
| Binding Specificity: | AA 40-90 |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CISD2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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|---------------|---|
| Immunogen: | CISD2 antibody was raised against a 15 amino acid peptide near the center of human CISD2. The immunogen is located within amino acids 40 - 90 of CISD2. |
| Isotype: | IgG |
| Purification: | CISD2 Antibody is affinity chromatography purified via peptide column. |

Target Details

| | |
|-------------------|---|
| Target: | CISD2 |
| Alternative Name: | CISD2 (CISD2 Products) |
| Background: | 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 |

Target Details

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.

Molecular Weight: Predicted: 15 kDa

Observed: 15 kDa

Gene ID: 493856

NCBI Accession: [NP_001008389](#)

UniProt: [Q8N5K1](#)

Pathways: [Activation of Innate immune Response](#)

Application Details

Application Notes: CISD2 antibody was raised against a 15 amino acid peptide near the center of human CISD2.

Antibody validated: Western Blot in rat samples, Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: CISD2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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

Storage: -20 °C, 4 °C

Storage Comment: CISD2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.