

**CISD2 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12443****Specification**

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**CISD2 antibody - N-terminal region - Product Information**

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|-------------------|--|
| Application       | WB   |
| Primary Accession | <a href="#">Q8N5K1</a>   |
| Other Accession   | <a href="#">NM_001008388</a> , <a href="#">NP_001008389</a>        |
| Reactivity        | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Bovine, Guinea Pig, Dog |
| Predicted         | Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Bovine              |
| Host              | Rabbit   |
| Clonality         | Polyclonal   |
| Calculated MW     | 15kDa KDa  |

**CISD2 antibody - N-terminal region - Additional Information****Gene ID** 493856**Alias Symbol** ERIS, Miner1, WFS2, ZCD2, NAF-1**Other Names**

CDGSH iron-sulfur domain-containing protein 2, Endoplasmic reticulum intermembrane small protein, MitoNEET-related 1 protein, Miner1, Nutrient-deprivation autophagy factor-1, NAF-1, CISD2, CDGSH2, ERIS, ZCD2

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-CISD2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

CISD2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**CISD2 antibody - N-terminal region - Protein Information****Name** CISD2**Synonyms** CDGSH2, ERIS, ZCD2**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 Ca(2+) 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.

#### Cellular Location

Endoplasmic reticulum membrane; Single-pass membrane protein. Mitochondrion outer membrane; Single-pass membrane protein. Note=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 Location

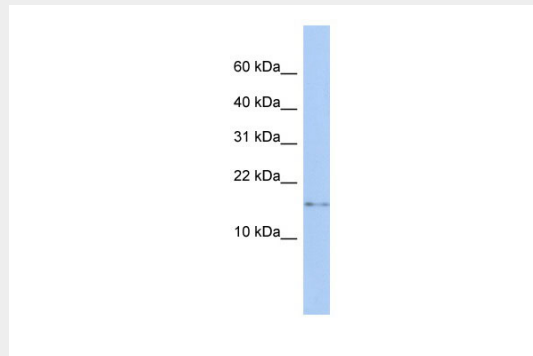
Testis, small intestine, kidney, lung, brain, heart, pancreas and platelets.

### CISD2 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CISD2 antibody - N-terminal region - Images



WB Suggested Anti-CISD2 Antibody Titration: 0.2-1  $\mu$ g/ml  
Positive Control: Transfected 293T

### CISD2 antibody - N-terminal region - References

Amr, S., (2007) Am. J. Hum. Genet. 81(4), 673-683 Reconstitution and Storage: For short term use, store at 2-8 C up to 1 week. For long term storage, store at -20 C in small aliquots to prevent freeze-thaw cycles.