10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# CISD2 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12443

## Product Information

| | |
|---|---|
| **Application** | WB |
| **Primary Accession** | Q8N5K1 |
| **Other Accession** | NM_001008388, NP_001008389 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Bovine |
| **Predicted** | Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 15278 |

## 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. |

## Protein Information

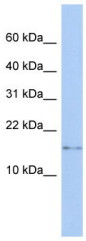
| | |
|---|---|
| **Name** | CISD2 |
| **Synonyms** | CDGSH2, ERIS, ZCD2 |
| **Function** | Regulator of autophagy that contributes to antagonize BECN1- mediated cellular autophagy at the endoplasmic reticulum. Participates in the interaction of BCL2 with BECN1 and is required for BCL2-mediated depression 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. |

## References

Amr,S.,(2007)Am.J.Hum.Genet.81(4),673-683ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

## Images




WB Suggested Anti-CISD2 Antibody Titration: 0.2-1 µg/ml
Positive Control: Transfected 293T

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.