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

Specification

CISD2 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q8N5K1
Other Accession	NM_001008388, NP_001008389
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

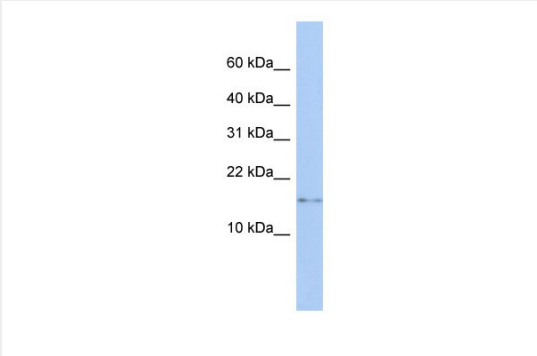
Tissue Location
Testis, small intestine, kidney, lung, brain, heart, pancreas and platelets.

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 Cytomety
- Cell Culture

CISD2 antibody - N-terminal region - Images



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

CISD2 antibody - N-terminal region - References

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