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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

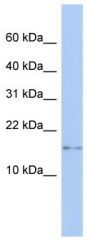
Name	CISD2
Synonyms	CDGSH2, ERIS, ZCD2
Function	Regulator of autophagy that contributes to antagonize BECN1- mediated cellular autophagy at the endoplasmic reticulum. Participates in the interaction of BCL2 with BECN1 and is required for BCL2-mediated depression of endoplasmic reticulum Ca(2+) stores 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