

For Research Use Only

CISD2-Specific Monoclonal antibody, PBS Only



Catalog Number: 66082-1-PBS

Featured Product

1 Publications

Basic Information

Catalog Number:

66082-1-PBS

Concentration:

1 mg/ml

Source:

Mouse

Isotype:

IgG2b

GenBank Accession Number:

NM_001008388

GeneID (NCBI):

493856

UNIPROT ID:

Q8N5K1

Full Name:

CDGSH iron sulfur domain 2

Observed MW:

15 kDa

Purification Method:

Protein A purification

CloneNo.:

3D7A3

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, zebrafish, rat, mouse

Background Information

CISD2 gene encodes a 15 kDa CDGSH iron-sulfur domain-containing protein 2, which is also named Miner1 or NAF-1, this protein was reported on endoplasmic reticulum membrane or mitochondrion outer membrane. Defects in CISD2 are the cause of Wolfram syndrome type 2 (WFS2), a rare disorder characterized by juvenile-onset insulin-dependent diabetes mellitus with optic atrophy. CISD2 regulates autophagy program by interacting BCL2, contributing to antagonize BECN1-mediated cellular autophagy at the endoplasmic reticulum. This monoclonal antibody is specific to CISD2 and does not cross-react with CISD1.

Notable Publications

Author	Pubmed ID	Journal	Application
Chaofeng Zhang	39605902	Front Pharmacol	

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

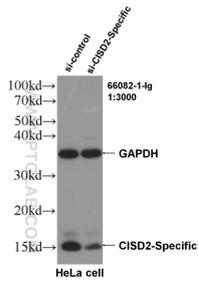
T: 4006900926

E: Proteintech-CN@ptglab.com

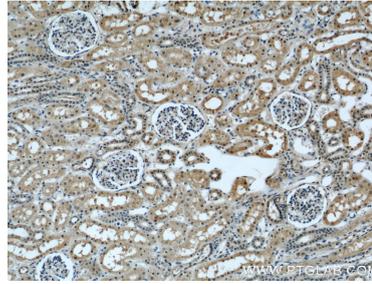
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

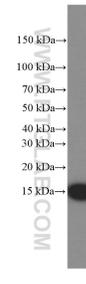
Selected Validation Data



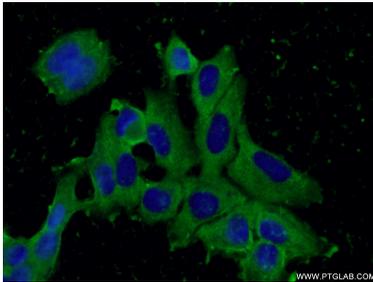
WB result of CISD2 antibody (66082-1-Ig, 1:3000) with si-Control and si-CISD2 transfected HeLa cells. This data was developed using the same antibody clone with 66082-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney using 66082-1-Ig(CISD2-Specific antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 66082-1-PBS in a different storage buffer formulation.



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66082-1-Ig (CISD2-Specific Antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66082-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 66082-1-Ig(CISD2-Specific antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66082-1-PBS in a different storage buffer formulation.