

For Research Use Only

C2orf69 Polyclonal antibody, PBS Only

Catalog Number: 32100-1-PBS



Basic Information

Catalog Number:

32100-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36779

GenBank Accession Number:

BC036456

GeneID (NCBI):

205327

UNIPROT ID:

Q8N8R5

Full Name:

chromosome 2 open reading frame 69

Calculated MW:

43 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

mouse, rat

Background Information

Chromosome 2 open reading frame 69 (C2orf69, also known as COXPD53) is located in the mitochondrion. It can affect mitochondrial membrane potential and oxidative respiration in cultured neurons and controls the levels of the glycogen branching enzyme 1 (GBE1) (PMID: 34038740; 33945503). The variant in C2orf69 probably causes developmental regression, seizures, microcephaly, autistic features, and hypertonia (PMID: 37337918). Its deficiency can disrupt the development and homeostasis of the immune and central nervous systems (PMID: 34038740).

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:

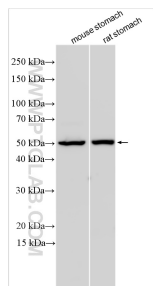
T: 4006900926

E: Proteintech-CN@ptglab.com

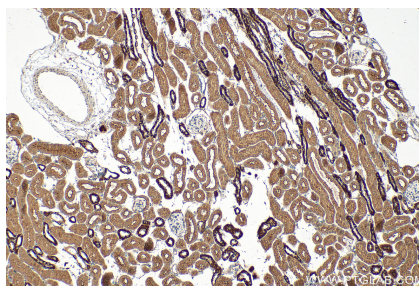
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32100-1-AP (C2orf69 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32100-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 32100-1-AP (C2orf69 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 32100-1-PBS in a different storage buffer formulation.