

For Research Use Only

# C2orf69 Polyclonal antibody, PBS Only

Catalog Number: 32100-1-PBS



## Basic Information

<b>Catalog Number:</b> 32100-1-PBS	<b>GenBank Accession Number:</b> BC036456	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 205327	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8N8R5	
<b>Isotype:</b> IgG	<b>Full Name:</b> chromosome 2 open reading frame 69	
<b>Immunogen Catalog Number:</b> AG36779	<b>Calculated MW:</b> 43 kDa	
	<b>Observed MW:</b> 50 kDa	

## 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

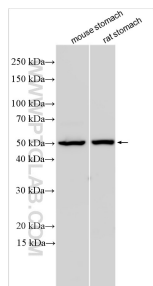
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

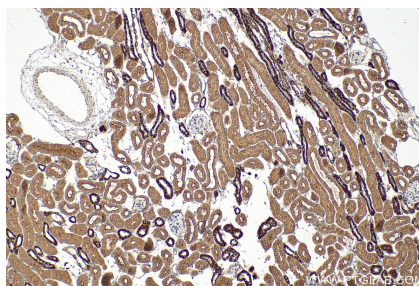
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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.