

For Research Use Only

# C21orf33 Polyclonal antibody

Catalog Number: 32198-1-AP



## Basic Information

### Catalog Number:

32198-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG37527

### GenBank Accession Number:

BC002370

### GeneID (NCBI):

8209

### UNIPROT ID:

PODPI2

### Full Name:

chromosome 21 open reading frame 33

### Calculated MW:

268 aa, 28 kDa

### Observed MW:

28 kDa

### Purification Method:

Antigen affinity Purification

### Recommended Dilutions:

WB 1:2000-1:12000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB: A549 cells, Hela cells, HepG2 cells, K-562 cells, THP-1 cells, mouse liver tissue, rat liver tissue

## Background Information

GATD3A is a member of glutamine amidotransferase-like class 1 domain-containing (GATD) family. GATD proteins classically generate ammonia by amidolysis from the glutamine amide nitrogen, transferring it to an acceptor substrate in a variety of anabolic reactions involving purine and pyrimidine synthesis (PMID: 9575335). GATD3A restricts the formation of AGEs in mitochondria and is a relevant target for diseases where AGE deposition is a pathological hallmark (PMID: 35307029).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

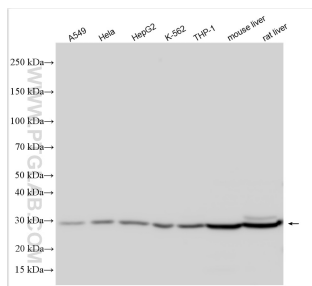
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32198-1-AP (C21orf33 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.