

For Research Use Only

# GDAP1L1 Monoclonal antibody

Catalog Number: 68340-1-Ig



## Basic Information

Catalog Number:

68340-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG27717

GenBank Accession Number:

BC009014

GeneID (NCBI):

78997

UNIPROT ID:

Q96MZ0

Full Name:

ganglioside-induced differentiation-associated protein 1-like 1

Calculated MW:

367 aa, 42 kDa

Observed MW:

38-40 kDa

Purification Method:

Protein A purification

CloneNo.:

1C7A3

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat, pig, rabbit

Positive Controls:

WB: fetal human brain tissue, pig brain tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue, pig cerebellum tissue, rabbit cerebellum tissue, rat cerebellum tissue, mouse cerebellum tissue

## Background Information

Ganglioside-induced differentiation-associated protein 1-like 1 (GDAP1L1) belongs to GST superfamily. Owing to its central role in mitochondrial fission, GDAP1L1 is a homologue of GDAP1 implicated in cellular processes, such as cell death, autophagy, aging, and immune response regulation (PMID:32230997). GDAP1L1, a fission factor controlling mitochondrial fission, induces fission upon translocation from the cytosol to mitochondria in response to stress condition (PMID:34638757). Furthermore, the activity of GDAP1L1 is dependent on Drp1. GDAP1, a paralog of GDAP1L1, evokes mitochondrial fragmentation only in the presence of Drp1 in HeLa cells (PMID:19782751).

## 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

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

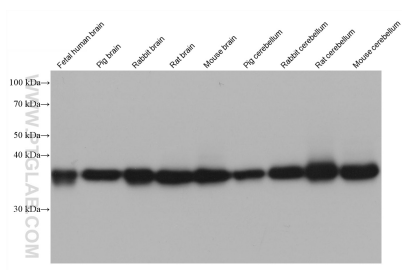
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68340-1-Ig (GDAP1L1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.