

For Research Use Only

# GOLGA4 Polyclonal antibody

Catalog Number: 55207-1-AP



## Basic Information

### Catalog Number:

55207-1-AP

### Size:

150ul, Concentration: 1100 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_002078

### GeneID (NCBI):

2803

### UNIPROT ID:

Q13439

### Full Name:

golgi autoantigen, golgin subfamily a, 4

### Calculated MW:

161 kDa

### Observed MW:

260-270 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human, mouse

### Positive Controls:

WB : T-47D cells, U-118 MG cells, Neuro-2a cells

## Background Information

GOLGA4, also known as Golgi matrix protein, is a member of the Golgin family and is mainly localized in the Golgi apparatus. It is involved in vesicle transport at the Golgi level and may play a role in the transport of GPI-anchored proteins from the Golgi network. GOLGA4 is expressed in a variety of tissues, especially in the testis, but its specific function in spermatogenesis and male fertility is not fully understood. Studies have shown that GOLGA4 knockout male mice are still fertile, and the testis and sperm morphology are normal, indicating that GOLGA4 is not essential for mouse spermatogenesis and male fertility (PMID: 32736686).

## 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

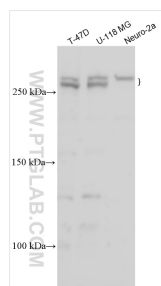
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55207-1-AP (GOLGA4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.