

For Research Use Only

GRINA Polyclonal antibody

Catalog Number: 20851-1-AP



Basic Information

Catalog Number:

20851-1-AP

Size:

150ul, Concentration: 500 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14716

GenBank Accession Number:

BC041788

GeneID (NCBI):

2907

UNIPROT ID:

Q7Z429

Full Name:

glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)

Calculated MW:

371 aa, 41 kDa

Observed MW:

49 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, human placenta tissue

Background Information

Glutamate Receptor Ionotropic NMDA-Associated Protein 1 (GRINA, also known as TMBIM3) is a transmembrane protein involved in calcium homeostasis and cell survival. It plays a crucial role in regulating intracellular calcium levels, which are essential for processes such as cell survival, neurotransmitter release, and apoptosis (PMID: 32124700). GRINA also involves vesicle transport and sorting, particularly in secretory cells like neurons and mammary glands (PMID: 31426446). Additionally, GRINA has been implicated in regulating aerobic glycolysis and tumor progression in gastric cancer (PMID: 30541591).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

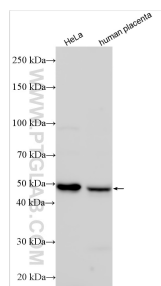
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20851-1-AP (GRINA antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.