

For Research Use Only

GRINA Polyclonal antibody, PBS Only

Catalog Number: 20851-1-PBS



Basic Information

Catalog Number:

20851-1-PBS

Size:

100ug, Concentration: 1 mg/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

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS only, pH7.3

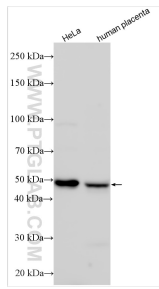
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

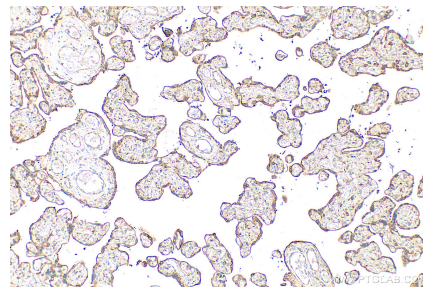
E: proteintech@ptglab.com
W: ptglab.com

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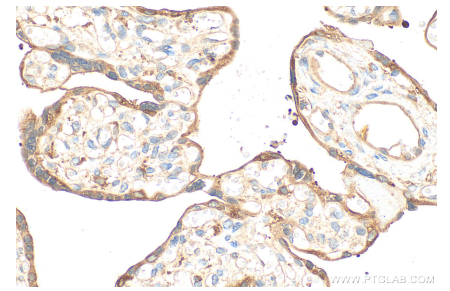
Selected Validation Data



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. This data was developed using the same antibody clone with 20851-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 20851-1-AP (GRINA antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20851-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 20851-1-AP (GRINA antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20851-1-PBS in a different storage buffer formulation.