

For Research Use Only

GABRG2 Monoclonal antibody

Catalog Number: 68595-1-Ig



Basic Information

Catalog Number:

68595-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG5489

GenBank Accession Number:

BC059389

GeneID (NCBI):

2566

UNIPROT ID:

P18507

Full Name:

gamma-aminobutyric acid (GABA) A receptor, gamma 2

Calculated MW:

467 aa, 54 kDa

Observed MW:

40-54 kDa

Purification Method:

Protein A purification

CloneNo.:

1H10E1

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat, rabbit

Positive Controls:

WB: rabbit brain tissue, rat brain tissue, mouse brain tissue

Background Information

GABRG2 (gamma-aminobutyric acid type A receptor subunit gamma2), which is expected to be located in cell membrane and expressed in brain and retina. The calculated molecular weight of the protein is 54 kDa. This antibody can recognize the 43 kDa band of target (PMID:12091434). And it also has glycosylation modification. GABA is the major inhibitory neurotransmitter in the mammalian brain, where it acts at GABA-A receptors, which are ligand-gated chloride channels. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene have been associated with epilepsy and febrile seizures.

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:

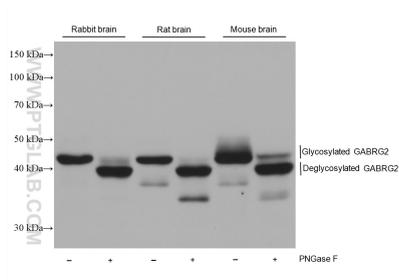
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68595-1-Ig (GABRG2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.