

For Research Use Only

GNAI1 Monoclonal antibody

Catalog Number: 68266-1-Ig



Basic Information

Catalog Number:

68266-1-Ig

Size:

1000 μ g/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG3290

GenBank Accession Number:

BC026326

GeneID (NCBI):

2770

UNIPROT ID:

P63096

Full Name:

guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1

Calculated MW:

354 aa, 40 kDa

Observed MW:

38-40 kDa

Purification Method:

Protein A purification

CloneNo.:

1G11H5

Recommended Dilutions:

WB 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Mouse, Rat, Pig, Chicken

Positive Controls:

WB: rat brain tissue, pig brain tissue, chicken brain tissue, mouse brain tissue

Background Information

The guanine nucleotide-binding protein G(i), α -1 subunit (GNAI1), also known as G α i-1, belongs to the G α i family. GNAI1 is an adenylate cyclase inhibitor that modulates cAMP. GNAI1 exerts inhibitory effects on cAMP production through its interaction with GPCR and the inactivation of adenylyl cyclase (PMID: 35678269). GNAI1 has 2 isoforms with molecular weights of 35 and 40 kDa, respectively.

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:

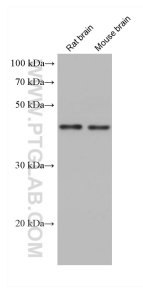
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68266-1-Ig (GNAI1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.