

For Research Use Only

GNAI1 Monoclonal antibody

Catalog Number: 68266-1-Ig



Basic Information

Catalog Number:

68266-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by 2770

Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

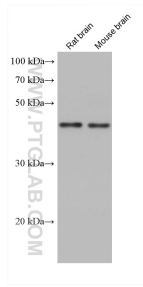
For technical support and original validation data for this product please contact:

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Selected Validation Data



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