

For Research Use Only

GNAI1 Monoclonal antibody

Catalog Number: 68266-1-Ig



Basic Information

Catalog Number: 68266-1-Ig	GenBank Accession Number: BC026326	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2770	CloneNo.: 1G11H5
Source: Mouse	Full Name: guanine nucleotide binding protein (GWB 1:2000-1:10000 protein), alpha inhibiting activity polypeptide 1	Recommended Dilutions:
Isotype: IgG2b	Calculated MW: 354 aa, 40 kDa	
Immunogen Catalog Number: AG3290	Observed MW: 38-40 kDa	

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 Gai-1, belongs to the Gai 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

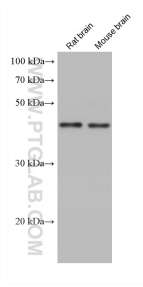
For technical support and original validation data for this product please contact:

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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.