

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 ug/ml by Nanodrop;	GeneID (NCBI): 2770	CloneNo.: 1G11H5
Source: Mouse	UNIPROT ID: P63096	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG2b	Full Name: guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	
Immunogen Catalog Number: AG3290	Calculated MW: 354 aa, 40 kDa	
	Observed MW: 38-40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat brain tissue, pig brain tissue, chicken brain tissue, mouse brain tissue
Species Specificity: Mouse, Rat, Pig, Chicken	

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

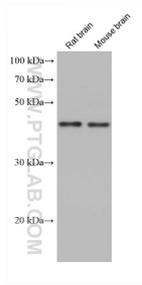
For technical support and original validation data for this product please contact:

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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.