

For Research Use Only

GNAQ Monoclonal antibody

Catalog Number: 68191-1-Ig



Basic Information

Catalog Number: 68191-1-Ig	GenBank Accession Number: BC057777	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2776	CloneNo.: 2H5G6
Source: Mouse	Full Name: guanine nucleotide binding protein (GWB 1:5000-1:50000 protein), q polypeptide	Recommended Dilutions:
Isotype: IgG2b	Calculated MW: 42 kDa	
Immunogen Catalog Number: AG26178	Observed MW: 38-40 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, Mouse, Rat, Rabbit, Pig

Positive Controls:

WB: Jurkat cells, pig cerebellum tissue, rat brain tissue, rat cerebellum tissue, HeLa cells, pig brain tissue, rabbit brain tissue, mouse brain tissue

Background Information

GNAQ is a proto-oncogene closely related to the α subunit of guanine nucleotide-binding proteins (G proteins) that serve as key intermediates between membrane-bound G-protein-coupled receptors (GPCRs) and GPCR signalling nodes. Aberrant expression and activity of G proteins and GPCRs are frequently associated with tumorigenesis. Recent studies show that oncogenic activating mutations in GNAQ are present in 80% of the melanomas. The calculated molecular weight of GNAQ is 42 kDa. This antibody can detect a band of 38-40 kDa in SDS-PAGE. (PMID: 33993733)

Storage

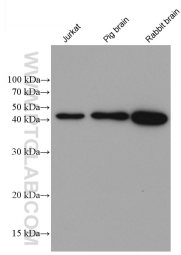
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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 68191-1-Ig (GNAQ antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.