

For Research Use Only

# GNAQ Monoclonal antibody, PBS Only



Catalog Number: 68191-1-PBS

## Basic Information

Catalog Number:

68191-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG26178

GenBank Accession Number:

BC057777

GeneID (NCBI):

2776

UNIPROT ID:

P50148

Full Name:

guanine nucleotide binding protein (G protein), q polypeptide

Calculated MW:

42 kDa

Observed MW:

38-40 kDa

Purification Method:

Protein A purification

CloneNo.:

2H5G6

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, Mouse, Rat, Rabbit, Pig

## Background Information

GNAQ is a proto-oncogene closely related to the  $\alpha$  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 -80°C.

Storage Buffer:

PBS only

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

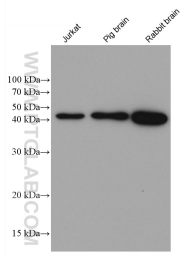
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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. This data was developed using the same antibody clone with 68191-1-PBS in a different storage buffer formulation.