

GNAQ Polyclonal antibody

Catalog Number: 27264-1-AP

Basic Information

Catalog Number:

27264-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26170

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:3000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : PC-12 cells, HepG2 cells, 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:

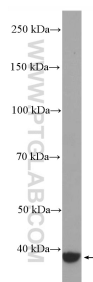
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



PC-12 cells were subjected to SDS PAGE followed by western blot with 27264-1-AP (GNAQ antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.