

For Research Use Only

GNAQ Polyclonal antibody

Catalog Number: 27264-1-AP



Basic Information

Catalog Number: 27264-1-AP	GenBank Accession Number: BC057777	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 2776	Recommended Dilutions: WB 1:1000-1:3000
Source: Rabbit	UNIPROT ID: P50148	
Isotype: IgG	Full Name: guanine nucleotide binding protein (G protein), q polypeptide	
Immunogen Catalog Number: AG26170	Calculated MW: 42 kDa	
	Observed MW: 38-40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : PC-12 cells, HepG2 cells, mouse brain tissue
Species Specificity: human, mouse	

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

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

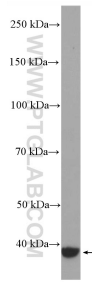
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Selected Validation Data



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.