

For Research Use Only

GNAZ Polyclonal antibody, PBS Only

Catalog Number:12758-1-PBS



Basic Information

Catalog Number: 12758-1-PBS	GenBank Accession Number: BC026342	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2781	
Source: Rabbit	UNIPROT ID: P19086	
Isotype: IgG	Full Name: guanine nucleotide binding protein (G protein), alpha z polypeptide	
Immunogen Catalog Number: AG3255	Calculated MW: 355 aa, 41 kDa	
	Observed MW: 38-41 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Guanine nucleotide-binding protein G(z) subunit alpha(GNAZ) is a member of a G protein subfamily that mediates signal transduction in pertussis toxin-insensitive systems. Heterotrimeric G proteins consist of alpha (α), beta (β), and gamma (γ) subunits. G proteins act as molecular switches inside cells, functioning to relay and transmit signals from cell surface receptors to intracellular effectors(PMID: 35052777). GNAS transduces signals from G protein-coupled receptors (GPCR) to adenylyl cyclase (AC), and finally regulates the expression of cyclic adenosine monophosphate (cAMP)(PMID: 32700107).

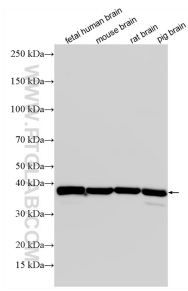
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12758-1-AP (GNAZ antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 12758-1-PBS in a different storage buffer formulation.