

For Research Use Only

GNAZ Polyclonal antibody, PBS Only

Catalog Number:12758-1-PBS



Basic Information

Catalog Number:

12758-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3255

GenBank Accession Number:

BC026342

GeneID (NCBI):

2781

UNIPROT ID:

P19086

Full Name:

guanine nucleotide binding protein (G protein), alpha z polypeptide

Calculated MW:

355 aa, 41 kDa

Observed MW:

38-41 kDa

Purification Method:

Antigen affinity purification

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 .

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

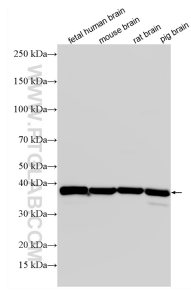
T: 4006900926

E: Proteintech-CN@ptglab.com

W: 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 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.