

For Research Use Only

GNG13 Polyclonal antibody

Catalog Number: 18223-1-AP



Basic Information

Catalog Number:

18223-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13007

GenBank Accession Number:

BC093760

GeneID (NCBI):

51764

UNIPROT ID:

Q9P2W3

Full Name:

guanine nucleotide binding protein (G protein), gamma 13

Calculated MW:

67 aa, 8 kDa

Observed MW:

8 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, mouse retina tissue, rat brain tissue, rat retina tissue

Background Information

GNG13 (Guanine nucleotide-binding protein G (G gamma 13)) is a gene that encodes a gamma subunit of a heterotrimeric G protein. It is expressed in taste, retinal, and neuronal tissues and is crucial for taste transduction. In the main olfactory epithelium (MOE), most olfactory sensory neurons (OSNs) express G proteins consisting of Gαolf and Gβ1γ 13. Conditional knockout of the Gng13 gene in mice significantly altered the MOE's gene expression profile and impaired the mutant animals' food - seeking capabilities (PMID: 30157062).

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

*** 20ul sizes contain 0.1% BSA

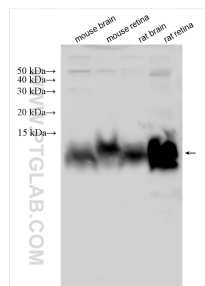
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18223-1-AP (GNG13 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.