

GNG7 Polyclonal antibody

Catalog Number: 31393-1-AP

Basic Information

Catalog Number:

31393-1-AP

Size:

270 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34754

GenBank Accession Number:

BC014466

GeneID (NCBI):

2788

UNIPROT ID:

O60262

Full Name:

guanine nucleotide binding protein (G protein), gamma 7

Calculated MW:

8 kDa

Observed MW:

10 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Mouse, Rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

Background Information

GNG7 belongs to the large guanine nucleotide binding protein γ family and is located on chromosome 19. Related genes of the G protein family are involved in various transmembrane signaling transduction pathways. GNG7 may be associated with transmembrane signaling pathways and involved in cell contact-induced growth arrest, thus repressing uncontrolled cell proliferation in multicellular organisms. GNG7 is a heterotrimeric G protein subunit with ubiquitous expression in various tissues but low expression in cancer. GNG7 overexpression inhibited cell growth and tumorigenicity of esophageal carcinoma cells. Also, GNG7 was confirmed as an essential autophagy-inducing agent and participated in inhibiting tumor progression through mTOR pathway (PMID: 30864685, 35281820, 36159963).

Storage

Storage:

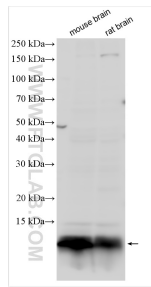
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

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

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31393-1-AP (GNG7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.