

For Research Use Only

# GNG7 Polyclonal antibody

Catalog Number: 31393-1-AP



## Basic Information

<b>Catalog Number:</b> 31393-1-AP	<b>GenBank Accession Number:</b> BC014466	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 270 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2788	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O60262	
<b>Isotype:</b> IgG	<b>Full Name:</b> guanine nucleotide binding protein (G protein), gamma 7	
<b>Immunogen Catalog Number:</b> AG34754	<b>Calculated MW:</b> 8 kDa	
	<b>Observed MW:</b> 10 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue
<b>Species Specificity:</b> Mouse, Rat	

## Background Information

GNG7 belongs to the large guanine nucleotide binding protein  $\gamma$  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

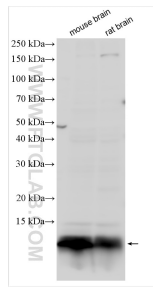
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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  
W: ptglab.com

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## 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.