

## **G** gamma7 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55106

### **Specification**

## G gamma7 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat, Bovine
Host
Clonality
Calculated MW
Robit
TKDa

Physical State
Liquid
Immunogen
KLH conjugated synthetic peptide derived

from human G gamma7

Epitope Specificity 2-65/68 Isotype IaG

Isotype Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cell membrane.

SIMILARITY

Belongs to the G protein gamma family.

G proteins are composed of 3 units, alpha,

beta and gamma.

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

### **Background Descriptions**

affinity purified by Protein A

Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. Plays a role in the regulation of adenylyl cyclase signaling in certain regions of the brain. Plays a role in the formation or stabilization of a G protein heterotrimer (G(olf) subunit alpha-beta-gamma-7) that is required for adenylyl cyclase activity in the striatum.

## G gamma7 Polyclonal Antibody - Additional Information

#### **Gene ID 2788**

## **Other Names**

Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-7, GNG7, GNGT7

## **Target/Specificity**

Expressed in a variety of tissues. Down-regulated in pancreatic and esophageal cancer.

## **Dilution**

<span class ="dilution WB">WB~~1:1000</span><br \><span class</pre>



="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class ="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class ="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_E">E~~N/A</span>

## **Storage**

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4  $^{\circ}$ C.

### **G gamma7 Polyclonal Antibody - Protein Information**

Name GNG7

**Synonyms** GNGT7

## **Function**

Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. Plays a role in the regulation of adenylyl cyclase signaling in certain regions of the brain. Plays a role in the formation or stabilization of a G protein heterotrimer (G(olf) subunit alpha-beta-gamma-7) that is required for adenylyl cyclase activity in the striatum (By similarity).

#### **Cellular Location**

Cell membrane; Lipid-anchor; Cytoplasmic side

### **Tissue Location**

Expressed in a variety of tissues. Down-regulated in pancreatic and esophageal cancer.

## **G gamma7 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# G gamma7 Polyclonal Antibody - Images