

G gamma4 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55105**Specification**

G gamma4 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	P50150
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	8 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human G gamma4
Epitope Specificity	9-60/75
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Lipid-anchor; Cytoplasmic side (Potential).
SIMILARITY	Belongs to the G protein gamma family.
SUBUNIT	G proteins are composed of 3 units, alpha, beta and gamma. Interacts with beta-1 and beta-2, but not with beta-3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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. G gamma4 interacts with beta-1 and beta-2, but not with beta-3. It is expressed in brain, kidney, pancreas, skeletal muscle and faintly in cardiac muscle.

G gamma4 Polyclonal Antibody - Additional Information**Gene ID** 2786**Other Names**

Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4, GNG4, GNGT4

Target/Specificity

Brain, kidney, pancreas, skeletal muscle and faintly in cardiac muscle.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °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 °C.

G gamma4 Polyclonal Antibody - Protein Information

Name GNG4

Synonyms GNGT4

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.

Cellular Location

Cell membrane; Lipid-anchor; Cytoplasmic side

Tissue Location

Brain, kidney, pancreas, skeletal muscle and faintly in cardiac muscle

G gamma4 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 Cytometry](#)
- [Cell Culture](#)

G gamma4 Polyclonal Antibody - Images