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GNG13 Rabbit pAb

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Catalog # AP55171

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9P2W3
Predicted	Rat, Pig, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	7949
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GNG13
Epitope Specificity	21-64/67
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Heterotrimeric G proteins function to relay information from cell surface receptors to intracellular effectors. Each of a very broad range of receptors specifically detects an extracellular stimulus (i.e. a photon, pheromone, odorant, hormone or neurotransmitter), while the effectors (e.g. adenyl cyclase), which act to generate one or more intracellular messengers, are less numerous. In mammals, G protein alhfa, beta and gamma polypeptides are encoded by at least 16, 4 and 7 genes, respectively. Most interest in G proteins has been focused on their a subunits, since these proteins bind and hydrolyze GTP and most obviously regulate the activity of the best studied effectors. Evidence, however, has established an important regulatory role for the beta gamma delta subunits. It is becoming increasingly clear that different G protein complexes expressed in different tissues carry structurally distinct members of the gamma as well as the alhfa and beta subunits, and that preferential associations between members of subunit families increase G protein functional diversity.

Additional Information

Gene ID	51764
Other Names	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-13, GNG13
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

Protein Information

Name	GNG13
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

Background

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