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G gamma14 Rabbit pAb

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Catalog # AP55104

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	O14610
Predicted	Dog, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	7747
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human G gamma14
Epitope Specificity	13-60/69
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	G Gamma14 (GNGT2) is a Guanine nucleotide-binding protein. G proteins are composed of 3 units, alpha, beta and gamma and are involved in various transmembrane signaling systems as signal modulators or transducers. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction. This G protein is specific to retinal cones and is involved in regulation of phototransduction.

Additional Information

Gene ID	2793
Other Names	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-T2, G gamma-C, G-gamma-8, G-gamma-9, Guanine nucleotide binding protein gamma transducing activity polypeptide 2, GNGT2, GNG8, GNG9, GNGT8
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
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	GNGT2
Synonyms	GNG8, GNG9, GNGT8
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	Retinal cones.

Background

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