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GNGT1 Rabbit pAb

Catalog # AP98547

Product Information

Application	IHC-P, IHC-F, IF, E
Predicted	Rat, Pig, Human, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	8 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GNGT1
Epitope Specificity	21-70/74
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G protein gamma family.
SUBUNIT	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	Heterotrimeric guanine nucleotide-binding proteins (G proteins) transduce extracellular signals received by transmembrane receptors to effector proteins. Transducin is a guanine nucleotide-binding protein found specifically in rod outer segments, where it mediates activation by rhodopsin of a cyclic GTP-specific (guanosine monophosphate) phosphodiesterase. Transducin is also referred to as GMPase. GNGT1 encodes the gamma subunit of transducin (Hurley et al., 1984 [PubMed 6438626]; Scherer et al., 1996 [PubMed 8661128]).[supplied by OMIM, Mar 2008].

Additional Information

Gene ID	2792
Other Names	GNG1; HG3G1; GBG1_HUMAN; GNGT1; Transducin gamma chain; G protein subunit gamma transducin 1; guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1
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.
Name	GNGT1 Rabbit pAb
Function	GNGT1 is a heterotrimeric guanine nucleotide-binding proteins (G proteins) transduce extracellular signals received by transmembrane receptors to

effector proteins. Transducin is a guanine nucleotide-binding protein found specifically in rod outer segments, where it mediates activation by rhodopsin of a cyclic GTP-specific (guanosine monophosphate) phosphodiesterase. Transducin is also referred to as GMPase. GNGT1 encodes the gamma subunit of transducin.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.