



# Gy 5 rabbit pAb

Cat No.:ES5569

For research use only

## Overview

<b>Product Name</b>	Gy 5 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GNG5. AA range:10-59
<b>Specificity</b>	Gy 5 Polyclonal Antibody detects endogenous levels of Gy 5 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5
<b>Gene Name</b>	GNG5
<b>Cellular localization</b>	Cell membrane ; Lipid-anchor ; Cytoplasmic side .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	2787
<b>Human Swiss-Prot Number</b>	P63218
<b>Alternative Names</b>	GNG5; GNGT5; Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5
<b>Background</b>	G protein subunit gamma 5(GNG5) Homo sapiens G proteins are trimeric (alpha-beta-gamma) membrane-associated proteins that regulate flow of information from cell surface receptors to a variety of internal metabolic effectors. Interaction of a G protein with its activated receptor promotes

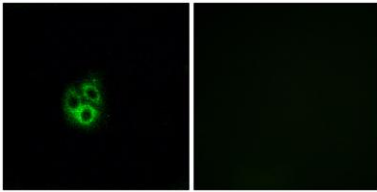




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exchange of GTP for GDP that is bound to the alpha subunit. The alpha-GTP complex dissociates from the beta-gamma heterodimer so that the subunits, in turn, may interact with and regulate effector molecules (Gilman, 1987 [PubMed 3113327]; summary by Ahmad et al., 1995) [PubMed 7606925].[supplied by OMIM, Nov 2010],

Immunofluorescence analysis of A549 cells, using GNG5 Antibody. The picture on the right is blocked with the synthesized peptide.



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