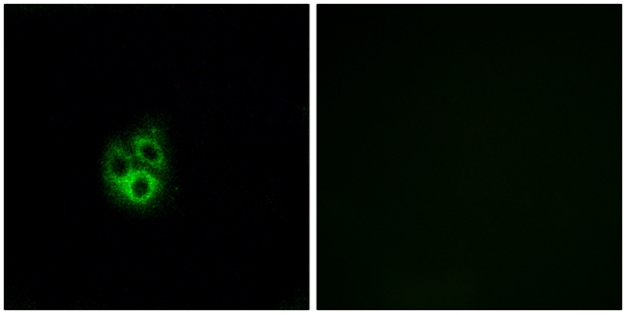
Gγ 5 Polyclonal Antibody

Catalog No	YP-Ab-16177
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IF;ELISA
Gene Name	GNG5
Protein Name	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5
Immunogen	The antiserum was produced against synthesized peptide derived from human GNG5. AA range:10-59
Specificity	Gγ 5 Polyclonal Antibody detects endogenous levels of Gγ 5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GNG5; GNGT5; Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5
Observed Band	
Cell Pathway	Cell membrane ; Lipid-anchor ; Cytoplasmic side .
Tissue Specificity	Brain,Platelet,Umbilical cord blood,
Function	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.,similarity:Belongs to the G protein gamma family.,subunit:G proteins are composed of 3 units, alpha, beta and gamma.,
Background	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 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],

matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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