

GNA13 Polyclonal Antibody

Catalog No :	YN0753
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	GNA13
Fields :	>>cGMP-PKG signaling pathway;>>Sphingolipid signaling pathway;>>Phospholipase D signaling pathway;>>Vascular smooth muscle contraction;>>Apelin signaling pathway;>>Platelet activation;>>Long-term depression;>>Regulation of actin cytoskeleton;>>Parathyroid hormone synthesis, secretion and action;>>Pathogenic Escherichia coli infection;>>Human cytomegalovirus infection;>>Pathways in cancer
Gene Name :	GNA13
Protein Name :	Guanine nucleotide-binding protein subunit alpha-13 (G alpha-13) (G-protein subunit alpha-13)
Human Gene Id :	10672
Human Swiss Prot No :	Q14344
Mouse Swiss Prot No :	P27601
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	GNA13 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 41kD

Cell Pathway : Vascular smooth muscle contraction;Long-term depression;Regulates Actin and Cytoskeleton;

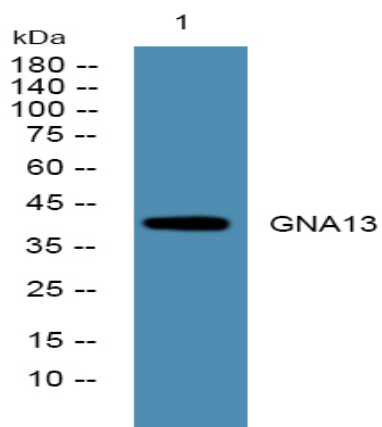
Background : function:Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems.,PTM:Palmitoylation is critical for proper membrane localization and signaling.,PTM:Phosphorylation on Thr-203 by PKA destabilizes the heterotrimer of alpha, beta and gamma, and inhibits Rho activation.,similarity:Belongs to the G-alpha family. G(12) subfamily.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site. Interacts with UBXD5.,

Function : function:Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems.,PTM:Palmitoylation is critical for proper membrane localization and signaling.,PTM:Phosphorylation on Thr-203 by PKA destabilizes the heterotrimer of alpha, beta and gamma, and inhibits Rho activation.,similarity:Belongs to the G-alpha family. G(12) subfamily.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:G proteins are composed of 3 units; alpha, beta and gamma. The alpha chain contains the guanine nucleotide binding site. Interacts with UBXD5.,

Subcellular Location : Cell membrane ; Lipid-anchor . Melanosome . Cytoplasm . Nucleus . Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Detected in the cytoplasm of Leydig cells and in the seminiferous epithelium, including differentiating cells from the spermatogonia to mature spermatozoa stages (PubMed:18703424). In round spermatids, also present in the nuclei (PubMed:18703424). .

Expression : Expressed in testis, including in Leydig cells and in the seminiferous epithelium, in differentiating cells from the spermatogonia to mature spermatozoa stages and round spermatids (at protein level). Expressed in 99.2% of spermatozoa from healthy individuals, but only in 28.6% of macrocephalic spermatozoa from infertile patients (at protein level).

Products Images



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night