



Anti-GNAI1 (aa 132-328) polyclonal antibody (DPABH-08613)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(i) proteins are involved in hormonal regulation of adenylate cyclase: they inhibit the cyclase in response to beta-adrenergic stimuli. The inactive GDP-bound form prevents the association of RGS14 with centrosomes and is required for the translocation of RGS14 from the cytoplasm to the plasma membrane. May play a role in cell division.
Immunogen	Recombinant fragment, corresponding to a region within amino acids 132-328 of Human G protein alpha inhibitor 1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	50 µl
Buffer	pH: 7.00; Constituents: 20% Glycerol, 0.75% Glycine, 1.21% Tris
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	GNAI1 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2 [Homo sapiens]
Official Symbol	GNAI1
Synonyms	GNAI1; guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1; Gi; guanine nucleotide-binding protein G(i) subunit alpha-1; Gi1 protein alpha subunit; adenylate cyclase-inhibiting G alpha protein;
Entrez Gene ID	2770
Protein Refseq	NP_001243343.1
UniProt ID	P63096
Pathway	ADP signalling through P2Y purinoceptor 12; Adenylate cyclase inhibitory pathway; Adrenergic signaling in cardiomyocytes; Alcoholism
Function	G-protein beta/gamma-subunit complex binding; G-protein coupled serotonin receptor binding; GTP binding; GTPase activity