



Anti-GNAI2 (full length) polyclonal antibody (DPAB-DC1392)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is an alpha subunit of guanine nucleotide binding proteins (G proteins). The encoded protein contains the guanine nucleotide binding site and is involved in the hormonal regulation of adenylate cyclase. Several transcript variants encoding different isoforms have been found for this gene.
Immunogen	GNAI2 (AAH12138, 1 a.a. ~ 355 a.a) full-length recombinant protein with GST tag. The sequence is MGCTVSAEDKAAAERSKMIDKNLREDGEKAAAREVKLLLLGAGESGKSTIVKQMKIIHEDG YSEEECRQYRAVVYSNTIQSIMAIVKAMGNLQIDFADPSRADDARQLFALSCTAEEQGVL PDDLSGVIRRLWADHGVQACFGRSREYQLNDSAAYYLNDLERIAQSDYIPTQQDVLRTRV KTTGIVETHFTFKDLHFKMFDVGGQRSEKRWIHC FEGVTAIIFCVALSAYDLVLAEDDEE MNRMHESMKLFDSICNNKWFTDTSIILFLNKKDLFEKITHSPLTICFPEYTGANKYDEA ASYIQSKFEDLNKRKDTKEIYTHFTCATDTKNVQFVFDAVTDVIKNNLKDCGLF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GNAI2 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2 [Homo sapiens (human)]
Official Symbol	GNAI2
Synonyms	GNAI2; guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2; GIP; GNAI2B; H_LUCA15.1; H_LUCA16.1; guanine nucleotide-binding protein G(i) subunit alpha-2; adenylate cyclase-inhibiting G alpha protein; GTP-binding regulatory protein Gi alpha-2 chain; guanine nucleotide-binding protein G(i), alpha-2 subunit;
Entrez Gene ID	2771
Protein Refseq	NP_001159897
UniProt ID	B3KP24
Chromosome Location	3p21.31
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 receptor binding; GTP binding; GTPase activity