



Anti-GNAI1 (full length) polyclonal antibody (DPAB-DC1391)

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

PRODUCT INFORMATION

Antigen Description	Guanine nucleotide binding proteins are heterotrimeric signal-transducing molecules consisting of alpha, beta, and gamma subunits. The alpha subunit binds guanine nucleotide, can hydrolyze GTP, and can interact with other proteins. The protein encoded by this gene represents the alpha subunit of an inhibitory complex. The encoded protein is part of a complex that responds to beta-adrenergic signals by inhibiting adenylate cyclase. Two transcript variants encoding different isoforms have been found for this gene.
Immunogen	GNAI1 (AAH26326, 1 a.a. ~ 354 a.a) full-length recombinant protein with GST tag. The sequence is MGCTLSAEDKAAVERSKMIDRNLRDGEKAAREVKLLLLGAGESGKSTIVKQMKIIHEAG YSEEECKQYKAVVYSNTIQSIIAIRAMGRLKIDFGDSARADDARQLFVLGAAEEGFMT AELAGVIKRLWKDSGVQACFNRSREYQLNDSAAYYLNDLDRIAQPNIPTQQDVLRTVRK TTGIVETHFTFKDLHFKMFDVGGQRSEKRWIHCFCFEGVAAIIFCVALSDYDLVLAEDEEM NRMHESMKLFDSCNNKWFTDTSIILFLNKKDLFEEKIKKSPLTICYQEYAGSNTYEEAA AYIQCQFEDLNKRKDTKEIYTHFTCATDTKNVQFVFDAVTDVIIKNNLKDCGLF
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	GNAI1 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1 [Homo sapiens (human)]
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
UniProt ID	P63096
Chromosome Location	7q21
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