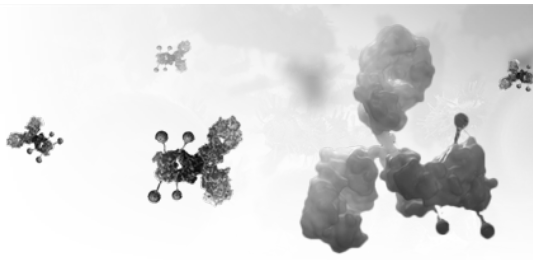

Anti-GNB2 (full length) polyclonal antibody (DPAB-DC1394)

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

PRODUCT INFORMATION

Antigen Description	Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector proteins, are composed of an alpha, a beta, and a gamma subunit. These subunits are encoded by families of related genes. This gene encodes a beta subunit. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. This gene contains a trinucleotide (CCG) repeat length polymorphism in its 5 UTR.
Immunogen	GNB2 (AAH10073, 1 a.a. ~ 340 a.a) full-length recombinant protein with GST tag. The sequence is MSELEQLRQEAEQLRNQIRDARKACGDSTLTQITAGLDPVGRIQMRTRRTLRGHLAKIYA MHWGTDSRLLVSASQDGKLIIWDSYTTNKVHAIPLRSSWVMTCAYAPSGNFVACGGLDNI CSIYSLKTREGNVRVSRELPGHTGYLSCCRFLDDNQIITSSGDTTCALWDIETGQQTVGF AGHSGDVMSLSLAPDGRTFVSGACDASIKLWDVRDSMCRQTFIGHESDINAVAFFPNGYA FTTGSDDATCRLFDLRADQELLMYSHDNIICGITSVAFSRSGRLLLAGYDDFNCNIWDAM KGDRAGVLAGHDNRVSCLGVTDDGMAVATGSWDSFLKIWN
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GNB2 guanine nucleotide binding protein (G protein), beta polypeptide 2 [Homo sapiens (human)]
Official Symbol	GNB2
Synonyms	GNB2; guanine nucleotide binding protein (G protein), beta polypeptide 2; guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2; transducin beta chain 2; g protein subunit beta-2; G protein, beta-2 subunit; guanine nucleotide-binding protein G(I)/G(S)/G(T) beta subunit 2; signal-transducing guanine nucleotide-binding regulatory protein beta subunit;
Entrez Gene ID	2783
Protein Refseq	NP_005264
UniProt ID	P62879
Chromosome Location	7q22
Pathway	ADP signalling through P2Y purinoceptor 1; Activation of G protein gated Potassium channels; Activation of Kainate Receptors upon glutamate binding; Alcoholism.
Function	GTPase activity; GTPase binding; calcium channel regulator activity; protein binding

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