

GNB3 Rabbit pAb

Catalog # AP99968

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P16520
Other Accession	P16520
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37221
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human G protein beta 3
Epitope Specificity	81-180/340
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the WD repeat G protein beta family. Contains 7 WD repeats.
SUBUNIT	G proteins are composed of 3 units, alpha, beta and gamma. Interacts with RASD2.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	G proteins are composed of 3 units, alpha, beta and gamma and are involved in the modulation and transduction of various transmembrane signalling systems. There are families of related genes for each subunit. GNB3 encodes a beta subunit. Beta subunits are required for GTPase activity, for replacement of GDP by GTP, regulate alpha subunits and for G protein-effector interactions. A single-nucleotide polymorphism (C825T) in this gene is associated with essential hypertension and obesity and is also associated with the occurrence of the splice variant GNB3-s, which appears to have increased activity.

Additional Information

Gene ID	2784
Other Names	CSNB1H; HG2D; Gnb-3; GBB3_HUMAN; GNB3; Transducin beta chain 3; GBB3_MOUSE; GBB3_RAT; G protein subunit beta 3; guanine nucleotide binding protein (G protein), beta polypeptide 3; Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GNB3
Function	Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.