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anti-GNB3 antibody (AA 1-230)





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Purification:

Quantity:	100 μg		
Target:	GNB3		
Binding Specificity:	AA 1-230		
Reactivity:	Human		
Host:	Rabbit		
Clonality:	Polyclonal		
Conjugate:	This GNB3 antibody is un-conjugated		
Application:	Western Blotting (WB), Immunofluorescence (IF)		
Product Details			
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of		
	human GNB3 (NP_002066.1).		
Sequence:	MGEMEQLRQE AEQLKKQIAD ARKACADVTL AELVSGLEVV GRVQMRTRRT LRGHLAKIYA		
	MHWATDSKLL VSASQDGKLI VWDSYTTNKV HAIPLRSSWV MTCAYAPSGN FVACGGLDNM		
	CSIYNLKSRE GNVKVSRELS AHTGYLSCCR FLDDNNIVTS SGDTTCALWD IETGQQKTVF		
	VGHTGDCMSL AVSPDFNLFI SGACDASAKL WDVREGTCRQ TFTGHESDIN		
Isotype:	IgG		
Cross-Reactivity:	Human, Mouse, Rat		
	Polyclonal Antibodies		

Affinity purification

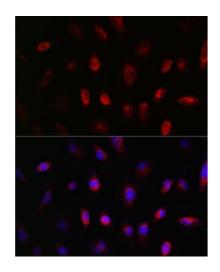
Target Details

Target:	GNB3		
Alternative Name:	GNB3 (GNB3 Products)		
Background:	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 which belongs to the WD repeat G protein beta family. Beta subunits are important regulators of alpha subunits, as well as of certain signal transduction receptors and effectors. A single-nucleotide polymorphism (C825T) in this gene is associated with essential hypertension and obesity. This polymorphism is also associated with the occurrence of the splice variant GNB3-s, which appears to have increased activity. GNB3-s is an example of alternative splicing caused by a nucleotide change outside of the splice donor and acceptor sites. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known, GNB3, CSNB1H, Epigenetics & Nuclear Signaling, Translation Control, Regulation of eIF4 and p70 S6 Kinase, Cancer, Signal Transduction, G protein signaling, G2/M DNA Damage Checkpoint, PI3K-Akt Signaling Pathway, mTOR Signaling Pathway, Phospholipase Signaling Pathway, MAPK-JNK Signaling Pathway, Endocrine & Metabolism, Neuroscience, Neurodegenerative Diseases, Dopamine Signaling in Parkinson's Disease, Cardiovascular, Blood, Blood Pressure regulation, GNB3		
Molecular Weight:	32 kDa/37 kDa		
Gene ID:	2784		
UniProt:	P16520		
Pathways:	Peptide Hormone Metabolism, Myometrial Relaxation and Contraction		
Application Details			
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200		
Restrictions:	For Research Use only		
Handling			
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.		
Preservative:	ve: Sodium azide		
Precaution of Use:	ution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which		

Handling

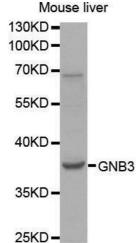
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



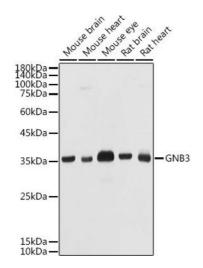
Immunofluorescence

Image 1. Immunofluorescence analysis of U-251MG cells using GNB3 Rabbit pAb (ABIN1680055, ABIN3015467, ABIN3015468 and ABIN6218020) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using GNB3 antibody (ABIN1680055, ABIN3015467, ABIN3015468 and ABIN6218020) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

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	Please check the product details page for more images. Overall 4 images are available for ABIN1680055.