

## Gβ 5 Polyclonal Antibody

Catalog No :	YT2096
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	GNB5
Fields :	>>Ras signaling pathway;>>Chemokine signaling pathway;>>PI3K-Akt signaling pathway;>>Apelin signaling pathway;>>Circadian entrainment;>>Retrograde endocannabinoid signaling;>>Glutamatergic synapse;>>Cholinergic synapse;>>Serotonergic synapse;>>GABAergic synapse;>>Dopaminergic synapse;>>Relaxin signaling pathway;>>Morphine addiction;>>Alcoholism;>>Human cytomegalovirus infection;>>Kaposi sarcoma- associated herpesvirus infection;>>Human immunodeficiency virus 1 infection;>>Pathways in cancer
Gene Name :	GNB5
Protein Name :	Guanine nucleotide-binding protein subunit beta-5
Human Gene Id :	10681
Human Swiss Prot	014775
No :	14697
Mouse Genera.	 
Mouse Swiss Prot No :	P62881
Rat Gene Id :	83579
Rat Swiss Prot No :	P62882
Immunogen :	The antiserum was produced against synthesized peptide derived from human GNB5. AA range:151-200
Specificity :	G $\beta$ 5 Polyclonal Antibody detects endogenous levels of G $\beta$ 5 protein.
	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.



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<b>Source</b> ation :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000 IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-
	chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	40kD
Cell Pathway :	PI3K/Akt; Insulin Receptor; SAPK_JNK; AMPK
Background :	Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate
	signals between receptors and effector proteins, are composed of an alpha, a
	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. Alternatively spliced transcript variants encoding different isoforms
	exist. [provided by RefSeq, Jul 2008],
Function :	function:Guanine nucleotide-binding proteins (G proteins) are involved as a
	and gamma chains are required for the GTPase activity, for replacement of GDP
	by GTP, and for G protein-effector interaction.,similarity:Belongs to the WD repeat
	G protein beta family., similarity: Contains 7 WD repeats., subunit: G proteins are
	composed of 3 units, alpha, beta and gamma. Component of the RGS9-1-Gbeta5
	COMPLEX COMPOSED OF RGS9 (ISOTOR RGS9-1), GDE(a5) (GINB5) and RGS9RP, tissue specificity: Expressed in multiple tissues
Subcellular	Membrane
Location :	
Expression :	Widely expressed.

**Products Images** 





Western Blot analysis of HepG2 cells using Gβ 5 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).