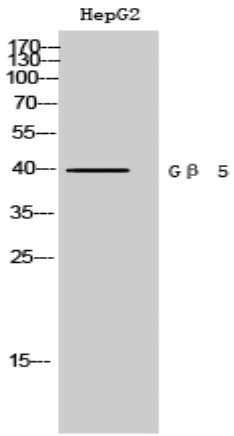
Best Tools for immunology Research

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 No :	O14775
Mouse Gene Id :	14697
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 :	Gβ 5 Polyclonal Antibody detects endogenous levels of Gβ 5 protein.
	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source/Isotype :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	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 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. 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 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.,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 (isoform RGS9-1), Gbeta5 (GNB5) and RGS9BP.,tissue specificity:Expressed in multiple tissues.,
Subcellular Location :	Membrane .
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).