



Gβ 5 Polyclonal Antibody

Catalog No	YP-Ab-16176
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	GNB5
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.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FLJ37457;FLJ43714;G protein beta 5 subunit;G protein beta subunit 5L;GB 5;GB5;GBB5_HUMAN;Gbeta5;GNB 5;GNB5;Guanine nucleotide binding protein (G protein) beta 5;Guanine nucleotide binding protein beta 5;Guanine nucleotide binding protein beta 5 subunit;Guanine nucleotide binding protein beta subunit 5L;Guanine nucleotide binding protein subunit beta 5;Guanine nucleotide-binding protein subunit beta-5;Transducin beta chain 5
Observed Band	40kD
Calculated Molecular Weight	40kD
Cell Pathway	Membrane .
Tissue Specificity	Widely expressed.
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.,

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],

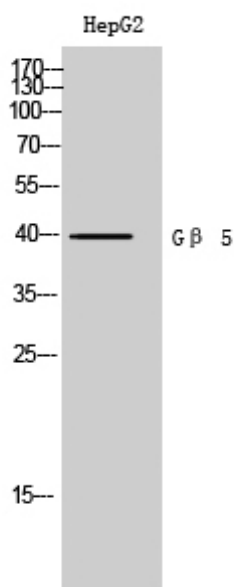
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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).