

Product Name: Gβ 5 Rabbit Polyclonal Antibody**Catalog #: APRab11868**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	40kDa

Antigen Information

Gene Name	GNB5
Alternative Names	GNB5; Guanine nucleotide-binding protein subunit beta-5; Gbeta5; Transducin beta chain 5
Gene ID	10681.0
SwissProt ID	O14775
Immunogen	The antiserum was produced against synthesized peptide derived from human GNB5. AA range:151-200

Background

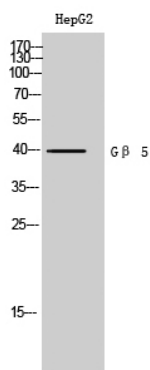
Heterotrimeric guanine nucleotide-binding proteins (G proteins), which integrate signals between receptors and effector

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: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.,

Research Area

PI3K/Akt; Insulin Receptor; SAPK_JNK; AMPK

Image Data



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