Anti-GNB2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013099

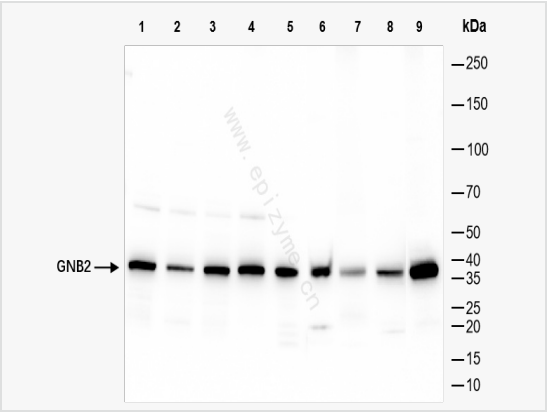
Product Information

Application	WB, IHC-P, ELISA, IF (Tissue-P)
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:50~1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	65L64L96
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GNB2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at 20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GNB2 Rabbit mAb [65L64L96] is for research use only and not for use in diagnostic or therapeutic procedures.

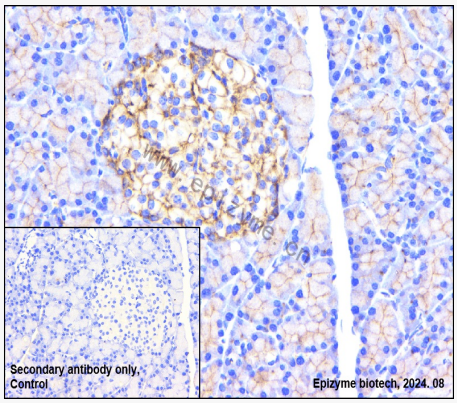
Protein Information

Synonyms	G protein beta 2 subunit, G protein subunit beta 2, G protein subunit beta-2, GBB2_HUMAN, Gnb2, Gnb2l1, Guanine nucleotide binding protein beta 2 subunit, Guanine nucleotide binding protein G I G S G T beta 2 subunit 2, Guanine nucleotide binding protein G protein beta polypeptide 2, Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2, OTTHUMP00000174601, OTTHUMP00000174602, RACK1, Receptor for activated C kinase, Receptor of activated protein kinase C 1, Signal transducing guanine nucleotide binding regulatory protein beta, Transducin beta chain 2.
Calculated MW	Calculated MW: 37 kDa; Observed MW: 32 kDa
Primary Accession	P62879
Gene ID	2783
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. This gene contains a trinucleotide (CCG) repeat length polymorphism in its 5' UTR. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm > perinuclear region.

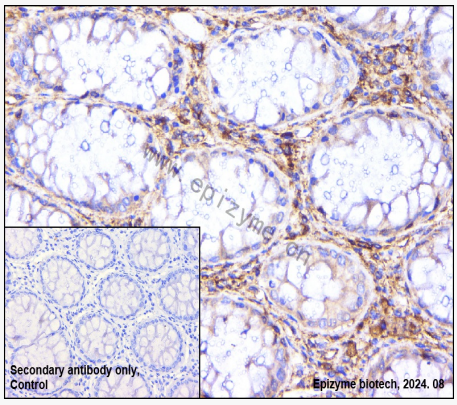
Validation Images



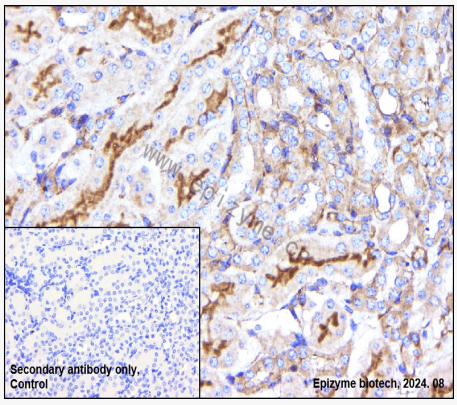
Western Blot - Anti-GNB2 Rabbit mAb [65L64L96] All lanes: R013099 at 1:2,000 dilution Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates Lane 6: Rat kidney whole tissue lysates Lane 7: Rat spleen whole tissue lysates Lane 8: Mouse heart whole tissue lysates Lane 9: Mouse brain whole tissue lysates Lysates/proteins at 10 µg per lane. Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution Predicted band size: 37 kDa Observed band size: 32 kDa Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-GNB2 Rabbit mAb [65L64L96] Sample: Paraformaldehyde-fixed, paraffin embedded rat pancreas tissue Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins. Primary antibody: R013099 at 1:200 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen. Counter stained with hematoxylin. Positive/negative staining were presented. Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-GNB2 Rabbit mAb [65L64L96] Sample: Paraformaldehyde-fixed, paraffin embedded human colorectal carcinoma tissue Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins. Primary antibody: R013099 at 1:200 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen. Counter stained with hematoxylin. Positive/negative staining were presented. Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-GNB2 Rabbit mAb [65L64L96] Sample: Paraformaldehyde-fixed, paraffin embedded mouse kidney tissue Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins. Primary antibody: R013099 at 1:200 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen. Counter stained with hematoxylin. Positive/negative staining were presented. Only the secondary antibody was used as the negative control.