

PI3 Kinase p110 beta Rabbit pAb

Catalog Number: bs-10657R

Target Protein: PI3 Kinase p110 beta

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-1000), IHC-P (1:50-200), IHC-F (1:50-200), IF (1:50-200), ICC/IF (1:50-1:200)

Reactivity: Human, Mouse, Rat

Predicted MW: 123 kDa

Subcellular: Cytoplasm, Nucleus

Locations:

Entrez Gene: 5291

Swiss Prot: P42338

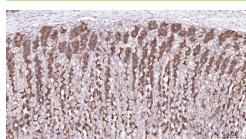
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

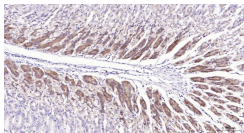
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes an isoform of the catalytic subunit of phosphoinositide 3-kinase (PI3K). These kinases are important in signaling pathways involving receptors on the outer membrane of eukaryotic cells and are named for their catalytic subunit. The encoded protein is the catalytic subunit for PI3Kbeta (PI3KB). PI3KB has been shown to be part of the activation pathway in neutrophils which have bound immune complexes at sites of injury or infection. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011].

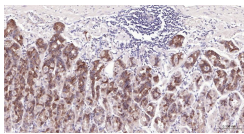
VALIDATION IMAGES



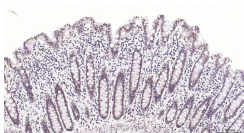
Paraformaldehyde-fixed, paraffin embedded Rat Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PI3 Kinase p110 beta Polyclonal Antibody, Unconjugated (bs-10657R) at 1:100 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



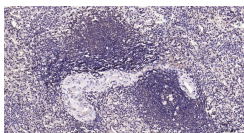
Paraformaldehyde-fixed, paraffin embedded Mouse Stomach; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PI3 Kinase p110 beta Polyclonal Antibody, Unconjugated (bs-10657R) at 1:100 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



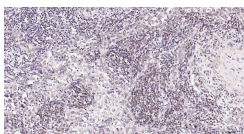
Paraformaldehyde-fixed, paraffin embedded Human Fundus; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PI3 Kinase p110 beta Polyclonal Antibody, Unconjugated (bs-10657R) at 1:100 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PI3 Kinase p110 beta Polyclonal Antibody, Unconjugated (bs-10657R) at 1:100 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PI3 Kinase p110 beta Polyclonal Antibody, Unconjugated (bs-10657R) at 1:100 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cervical Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PI3 Kinase p110 beta Polyclonal Antibody, Unconjugated (bs-10657R) at 1:100 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=11.508] Qinyu Ma. et al. Osteoclast-derived apoptotic bodies couple bone resorption and formation in bone remodeling. Bone Res. 2021 Jan;9(1):1-12 WB ; Mouse . 33431863

[IF=6.9] Yanan Gao. et al. Butyrate improves recovery from experimental necrotizing enterocolitis by metabolite hesperetin through potential inhibition the PI3K-Akt pathway. BIOMED PHARMACOTHER. 2024 Jul;176:116876 WB ; Rat . 38850657

[IF=5.988] Dongfang Lv. et al. Mailuoshutong pill for varicocele-associated male infertility-Phytochemical characterisation and multitarget mechanism.. FRONT PHARMACOL. 2022 Sep;13:961011-961011 WB ; Rat . 36160417

[IF=5.878] Lingling Dong. et al. Anti-inflammatory effect of Rhein on ulcerative colitis via inhibiting PI3K/Akt/mTOR signaling pathway and regulating gut microbiota. 2022 Mar 01 WB ; Mouse . 35229916

[IF=6.1] Fang Wang. et al. Myotonic dystrophy-related CDC42-binding kinase alpha (MRCKα) mediates methionine- and leucine-stimulated β-casein synthesis in bovine mammary epithelial cells via targeting mTOR. ANIMAL NUTRITION JOURNAL. Western blot ; Bovine . 10.1016/j.aninu.2025.01.003