

bs-10657R**[Primary Antibody]****Bioss**
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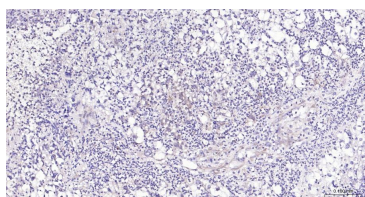
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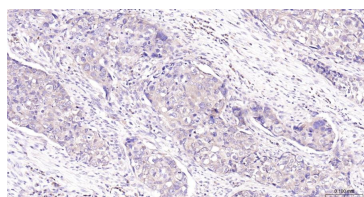
400-901-9800

PI3 Kinase p110 beta Rabbit pAb**— DATASHEET —**

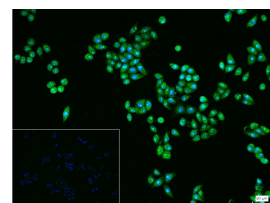
Host: Rabbit Clonality: Polyclonal GeneID: 5291 Target: PI3 Kinase p110 beta Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: 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].	Isotype: IgG SWISS: P42338	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 Location: Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded Human Endometrial 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.



Paraformaldehyde-fixed, paraffin embedded Human Esophagus 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.



4% Paraformaldehyde-fixed MCF-7 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (PI3-kinase p110 subunit beta) polyclonal Antibody, unconjugated (bs-10657R) 1:200, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

— SELECTED CITATIONS —

- **[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=10.2]** Biao Zhang. et al. Okra juice used for rapid wound healing through its bioadhesive and antioxidant capabilities. MATER TODAY BIO. 2025 Apr;31:101495 **WB ;Mouse**. 39896277
- **[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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[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