

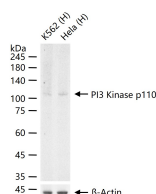
**bs-10657R****[ Primary Antibody ]****Bioss**  
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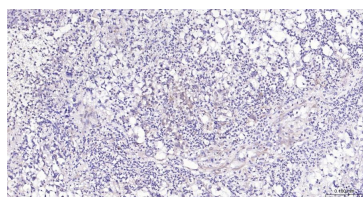
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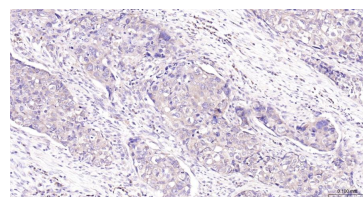
400-901-9800

**PI3 Kinase p110 beta Rabbit pAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5291**SWISS:** P42338**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].**Applications:** **WB** (1:500-1000)  
**IHC-P** (1:100-500)  
**IHC-F** (1:100-500)  
**IF** (1:100-500)  
**ICC/IF** (1:50-200)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 123 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

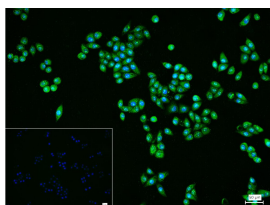
25 ug total protein per lane of various lysates (see on figure) probed with PI3 Kinase p110 polyclonal antibody, unconjugated (bs-10657R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



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.

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

## — SELECTED CITATIONS —

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- **[IF=30.9]** Ruize Qu. et al. Microbial riboflavin inhibits ceramide synthase 3 to lower ceramide (d18:1/26:0) and delay colorectal cancer progression. CELL METAB. 2025 七月 02 WB ;Human,Mouse. 40609532
- **[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=6.304]** Xuemei Shen. et al. CircRILPL1 promotes muscle proliferation and differentiation via binding miR-145 to activate IGF1R/PI3K/AKT pathway. Cell Death Dis. 2021 Feb;12(2):1-14 WB ;Bovine. 33542215