

bs-10276R**[Primary Antibody]****BioSS**
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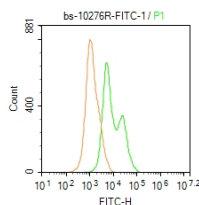
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PIK3 gamma Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 5294 Target: PIK3 gamma Immunogen: KLH conjugated synthetic peptide derived from human PIK3 gamma: 521-620/1102. 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 a protein that belongs to the pi3/pi4-kinase family of proteins. The gene product is an enzyme that phosphorylates phosphoinositides on the 3-hydroxyl group of the inositol ring. It is an important modulator of extracellular signals, including those elicited by E-cadherin-mediated cell-cell adhesion, which plays an important role in maintenance of the structural and functional integrity of epithelia. In addition to its role in promoting assembly of adherens junctions, the protein is thought to play a pivotal role in the regulation of cytotoxicity in NK cells. The gene is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias. [provided by RefSeq, Jul 2008].	Isotype: IgG SWISS: P48736	Applications: Flow-Cyt (1ug/test) Reactivity: Human (predicted: Mouse, Rat, Rabbit, Dog) Predicted MW.: 121 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Blank control: Molt4. Primary Antibody (green line): Rabbit Anti-PIK3 gamma/FITC Conjugated antibody (bs-10276R-FITC) Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG-FITC . Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. The cells were stained with Primary Antibody for 30 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=13.3]** Yuan Li. et al. A Biomimetic Peptide Functions as Specific Extracellular Matrix for Quiescence of Stem Cells against Intervertebral Disc Degeneration. SMALL. 2023 Jul;2300578 WB ;Rat. 37423970
- **[IF=4.6]** Fenglin Luo. et al. Isoliquiritigenin Inhibits the Growth of Colorectal Cancer Cells through the ESR2/PI3K/AKT

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

Signalling Pathway. PHARMACEUTICALS-BASE. 2024 Jan;17(1):43 WB ;Human. 10.3390/ph17010043

- **[IF=1.516]** Lv Qing. et al. Allicin suppresses growth and metastasis of gastric carcinoma: the key role of microRNA-383-5p-mediated inhibition of ERBB4 signaling. Biosci Biotech Bioch. 2020 Oct;84(10):1997-2004 WB ;Human. 32597323