

bs-5587R**[Primary Antibody]**

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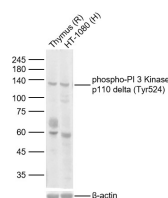
400-901-9800

phospho-PI 3 Kinase p110 delta (Tyr524) Rabbit pAb

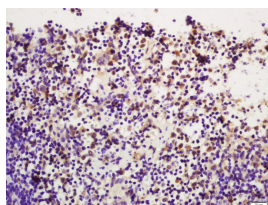
— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (2ug/Test) Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Chicken, Dog, Horse) Predicted MW.: 115 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 5293	SWISS: O00329	
Target: PI 3 Kinase p110 delta (Tyr524)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human PIK3CD around the phosphorylation site of Tyr524: EL(p-Y)EH.		
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: PI3-Kinases (PI3-Ks) are a family of lipid kinases that are implicated in signal transduction. PI3-K consists of two subunits; p85 and p110. The p85 subunit localize PI3-K activity to the plasma membrane while the p110 subunit contains the catalytic domain of PI3-K. Four isoforms of p110 has been found; the alpha, beta, gamma, and the delta subunit. The delta isoform is predominantly expressed in leukocytes and has been shown to interact with p85 and GTP-bound Ras via its SH2/SH3 domain.		

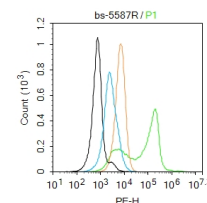
— VALIDATION IMAGES —



Sample: Lane 1: Rat Thymus Lysates Lane 2: Human HT-1080 cell Lysates Primary: Anti-phospho-PI 3 Kinase p110 delta (Tyr524)(bs-5587R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 115kDa Observed band size: 115 kDa



Tissue/cell: mouse spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-phospho-PI 3 Kinase p110 delta (Tyr524) Polyclonal Antibody, Unconjugated (bs-5587R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control:U937. Primary Antibody (green line): Rabbit Anti-phospho-PI 3 Kinase p110 delta (Tyr524) antibody (bs-5587R) Dilution: 2μg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at PBST. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=5.561]** Minrui Wu. et al. The Effect and Mechanism of Corilagin from Euryale Ferox Salisb Shell on LPS-Induced Inflammation in Raw264.7 Cells. FOODS. 2023 Jan;12(5):979 WB ;Mouse. 36900496
- **[IF=2.795]** Ying Feng. et al. LncRNA MALAT1 inhibits apoptosis of endometrial stromal cells through miR-126-5p-CREB1 axis by activating PI3K-AKT pathway. Mol Cell Biochem. 2020 Dec;475(1):185-194 WB ;Human. 32809092

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

- **[IF=2.682]** Deng Yang-lin. et al. Prescription of Sageretia hamosa Brongn Relieved Goiter through Promoted Apoptosis of Thyroid Cells via miR-511-3p and PTEN/PI3K/Akt Pathway. J Healthc Eng. 2021;2021:3506559 WB ;Rat,Human. 34630982
- **[IF=3.4]** Hu, Weisheng. et al.Exploration of the mechanism of Lithospermum erythrorhizon oil in treating atopic dermatitis based on network pharmacology and experimental validation of the PI3K-Akt pathway regulation.HELİYON.2025 Jan 10;11(2):e41707. ;Mouse. 39906865