[Primary Antibody]

phospho-Btk (Ser180) Rabbit pAb



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– DATASHEET –––––		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500) IF (1:100-500)
GenelD: 695	SWISS: Q06187	Flow-Cyt (1ug/Test)
Target: Btk (Ser180)		Reactivity: Mouse (predicted: Human
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Btk around the phosphorylation site of Ser180: GS(p-S)HR.		Rat, Rabbit, Pig, Cow, Dog Horse)
Purification: affinity purified by	Protein A	
Concentration: 1mg/ml		Predicted MW.: ^{72 kDa}
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.		Subcellular Cell membrane ,Cytoplasr Location: ,Nucleus
Background: Brutons tyrosine ki cytoplasmic tyrosin contains a pleckstr and SH2 domains. I development. Activ accompanied by B domain binding to membrane located phosphorylation of Tyr551 in the activa family tyrosine kina within the SH3 don activation of BTK is phosphorylation of membrane recruitr activation. The PKC determinant of the optimal BTK activit	hase (BTK) is a member of the BTK/Tec family of the kinases. Like other BTK family members, it in homology (PH) domain, Src homology SH3 BTK plays an important role in B cell ation of B cells by various ligands is "K membrane translocation mediated by its PH phosphatidylinositol-3,4,5-trisphosphate. The BTK is active and associated with transient two tyrosine residues, Tyr551 and Tyr223. tion loop is transphosphorylated by the Src ise, leading to autophosphorylation at Tyr223 hain, which is necessary for full activation. The negatively regulated by PKC beta through BTK at Ser180, which results in reduced nent, transphosphorylation and subsequent /BTK inhibitory signal is likely to be a key B cell receptor signaling threshold to maintain y.	

- VALIDATION IMAGES



Tissue/cell: mouse spleen tissue; 4% Paraformaldehyde-fixed and paraffinembedded; 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-Btk (Ser180) Polyclonal Antibody, Unconjugated(bs-3055R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control:RAW264.7. Primary Antibody (green line): Rabbit Anti-Phospho-Btk (Ser180) antibody (bs-3055R) Dilution: 1ug/Test; Secondary Antibody (white blue line) : Goat antirabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were 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=1.69] Liu, Xinwei, et al. "Inhibition of BTK protects lungs from trauma-hemorrhagic shock-induced injury in rats." Molecular Medicine Reports 16.1 (2017): 192-200. WB ;="Rat". 28487990