

bs-10167R**[Primary Antibody]****phospho-PTPN6 (Tyr564) Rabbit pAb****Bioss**
ANTIBODIES

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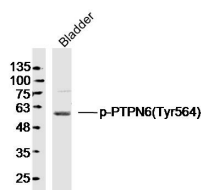
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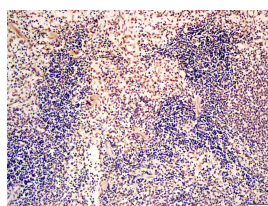
400-901-9800

DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 5777	SWISS: P29350	IHC-F (1:100-500)
Target: phospho-PTPN6 (Tyr564)		IF (1:100-500)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human PTPN6 around the phosphorylation site of Tyr564: DV(p-Y)EN.		Reactivity: Rat (predicted: Human, Mouse, Pig, Sheep, Dog, GuineaPig, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 65 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 Location: Nucleus
Background: The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq, Jul 2008]		

VALIDATION IMAGES

Sample: Bladder (Rat) Lysate at 40 ug Primary: Anti-phospho-PTPN6(Tyr564) (bs-10167R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 65 kD Observed band size: 60 kD



Tissue/cell: Rat 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-PTPN6 (Tyr564) Polyclonal Antibody, Unconjugated(bs-10167R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=18.5]** Xiuhua Pan. et al. Self-Adjuvanting Bacteria Hydrogel for SHP1 Checkpoint Inhibition in Tumor-Draining Lymph Nodes to Enhance Cancer Immunotherapy. ADV FUNCT MATER. 2024 Oct;;2409736 WB ;Mouse.

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

