

bs-5577R**[Primary Antibody]****phospho-PTPN6 (Tyr536) Rabbit pAb****Bioss**
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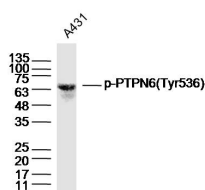
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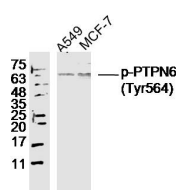
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5777**SWISS:** P29350**Target:** PTPN6 (Tyr536)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human PTPN6 around the phosphorylation site of Tyr536: SE(p-Y)GN.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

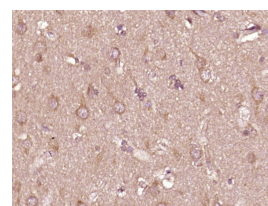
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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]**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 (predicted: Dog, Horse)**Predicted MW.:** 65 kDa**Subcellular Location:** Nucleus**VALIDATION IMAGES**

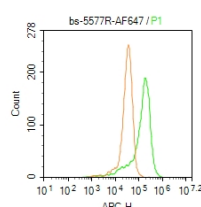
Sample: A431 Cell (Human) Lysate at 40 ug
 Primary: Anti-phospho-PTPN6(Tyr564)(bs-5577R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 65kD
 Observed band size: 65kD



Sample: A549 Cell (Human) Lysate at 40 ug
 Primary: Anti-phospho-PTPN6(Tyr564) (bs-5577R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 65 kD
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Paraformaldehyde-fixed, paraffin embedded (Human glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-PTPN6(Tyr564)) Polyclonal Antibody, Unconjugated (bs-5577R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



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

Blank control: Molt4. Primary Antibody (green line): Rabbit Anti- phospho-PTPN6(Tyr564) / AF647 Conjugated antibody (bs-5577R-AF647)
Dilution: 2µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG- AF647 .
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.