

**bs-3405R****[ Primary Antibody ]****phospho-PTPN11 (Tyr580) Rabbit pAb****Bioss**  
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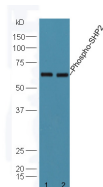
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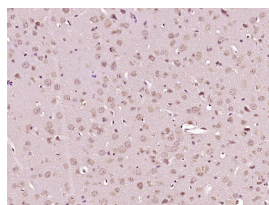
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5781**SWISS:** Q06124**Target:** PTPN11 (Tyr580)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human PTPN11/SHP2 around the phosphorylation site of Tyr580: RV(p-Y)E.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

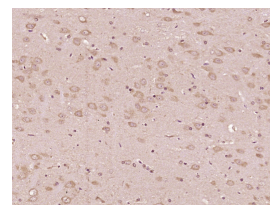
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** The steady state of protein tyrosyl phosphorylation in cells is regulated by the opposing action of tyrosine kinases and protein tyrosine phosphatases (PTPs). Several groups have independently identified a non transmembrane PTP, designated SHPTP1 (also known as PTP1C, HCP and SHP), which is primarily expressed in hematopoietic cells and characterized by the presence of two SH2 domains N terminal to the PTP domain. A second and much more widely expressed PTP with SH2 domains, SHPTP2 (also designated PTP1D and Syp), has been identified. SHP2 is a protein tyrosine phosphatase that is widely expressed and plays a regulatory role in various cell**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (2ug/Test)**ICC/IF** (1:25)**Reactivity:** Human, Mouse, Rat  
(predicted: Chicken, Horse)**Predicted  
MW.:** 66 kDa**Subcellular  
Location:** Cytoplasm**— VALIDATION IMAGES —**

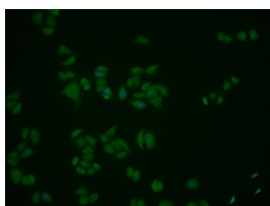
Sample: Lane1: Brain(Mouse) lysate at 30ug;  
Lane2: Muscle(Mouse) lysate at 30ug; Primary:  
Anti-Phospho-SHP2 (bs-3405R) at 1:300 dilution;  
Secondary: HRP conjugated Goat-Anti-Rabbit  
IgG(bse-0295G-HRP) at 1:5000 dilution;  
Predicted band size: 66 kD Observed band size:  
66 kD



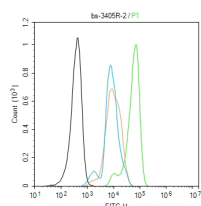
Paraformaldehyde-fixed, paraffin embedded  
(Mouse brain); Antigen retrieval by boiling in  
sodium citrate buffer (pH6.0) for 15min; Block  
endogenous peroxidase by 3% hydrogen  
peroxide for 20 minutes; Blocking buffer (normal  
goat serum) at 37°C for 30min; Antibody  
incubation with (Phospho-SHP2 (Tyr580))  
Polyclonal Antibody, Unconjugated (bs-3405R)  
at 1:400 overnight at 4°C, followed by operating  
according to SP Kit(Rabbit) (sp-0023)  
instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded  
(Rat brain); 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-SHP2 (Tyr580))  
Polyclonal Antibody, Unconjugated (bs-3405R)  
at 1:400 overnight at 4°C, followed by operating  
according to SP Kit(Rabbit) (sp-0023)  
instructionsand DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton  
X-100 at room temperature for 20 min; Blocking  
buffer (normal goat serum, C-0005) at 37°C for 20



Blank control (black line) :Hela. Primary  
Antibody (green line): Rabbit Anti-Phospho-  
PTPN11 (Tyr580) antibody (bs-3405R)

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

min; Antibody incubation with (Phospho-PTPN11 (Tyr580)) polyclonal Antibody, Unconjugated (bs-3405R) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

Dilution:2ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol 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 .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.