



## Rabbit polyclonal antibody to human Tyrosine-protein phosphatase non-receptor type 11 (578-592): Affinity purified

<b>Catalogue No.:</b>	R-1101-100
<b>Description:</b>	Tyrosine-protein phosphatase non-receptor type 11 (SHP2) plays a regulatory role in various cell signaling events such as mitogenic activation, metabolic control, transcription regulation and cell migration. SHP2 is highly expressed in the cytoplasm of heart, brain and skeletal muscle tissue. At least 3 isoforms of SHP2 are produced by alternative splicing.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide (EDSARVYENVGLMQQ) corresponding to a region (578-592) from the C-terminus of human Tyrosine-protein phosphatase non-receptor type 11. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	EC 3.1.3.48; Protein-tyrosine phosphatase 2C; PTP-2C; PTP-1D; SH-PTP3; SH-PTP2; SHP-2; Shp2; PTPN11; PTP2C; SHPTP2;
<b>Accession:</b>	Q06124 PTN11_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0-2.0 ug/mL is recommended for WB. Human SHP2 has a predicted length of 597 residues and MW of 68 kDa. A concentration of 1.0-2.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; rat;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase

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