SHP1 Polyclonal ANTIBODY
Catalog Number: 24546-1-AP

Basic Information
Catalog Number: 24546-1-AP
Size: 50 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG21415

GenBank Accession Number: BC002523
GeneID (NCBI): 5777
Full Name: protein tyrosine phosphatase, non-receptor type 6
Calculated MW: 597aa, 68 kDa
Observed MW: 63 kDa

Recommended Dilutions:
WB: 1:500-1:2000
IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB
IHC: 1:50-1:100
IF: 1:10-1:100

Applications
Tested Applications: IF, IHC, IP, WB, ELISA
Cited Applications: WB
Species Specificity: human
Cited Species: human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information
PTPN6 (Tyrosine-protein phosphatase non-receptor type 6) is also named as HCP, PTP1C and belongs to the protein-tyrosine phosphatase family. It regulates muscle insulin action in a cell-autonomous manner, further suggesting that the PTPase negatively modulates insulin action through down-regulation of both insulin signaling to AKT1 and SLC2A4 translocation, as well as SLC2A4 expression (PMID: 21952243). It has 4 isoforms produced by alternative splicing.

Notable Publications

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<th>Author</th>
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<td>29371942</td>
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<td>Meixian Xiang</td>
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<td>Amara Maryam</td>
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<td>Oxid Med Cell Longev</td>
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Storage
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
HeLa cells were subjected to SDS PAGE followed by western blot with 24546-1-AP (SHP1 antibody at dilution of 1:1000) incubated at room temperature for 1.5 hours.


Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using 24546-1-AP (SHP1 antibody at dilution of 1:200) (under 10x lens). Heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using 24546-1-AP (SHP1 antibody at dilution of 1:200) (under 40x lens). Heat mediated antigen retrieved with Tris-EDTA buffer (pH 9).

Immunofluorescent analysis of MCF-7 cells using 24546-1-AP (SHP1 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.