

KD-Validated Anti-PTPN11 Recombinant Rabbit Monoclonal Antibody



Catalog #: 61507

Aliases

PTPN11; Protein Tyrosine Phosphatase Non-Receptor Type 11; SH-PTP2; PTP2C; BPTP3; SHP-2; SHP2; SH2 Domain-Containing Protein Tyrosine Phosphatase 2; Tyrosine-Protein Phosphatase Non-Receptor Type 11; Protein-Tyrosine Phosphatase 1D; Protein-Tyrosine Phosphatase 2C; EC 3.1.3.48; SH-PTP3; PTP-1D; NS1; Protein Tyrosine Phosphatase, Non-Receptor Type 11; Noonan Syndrome 1; METCDS; SHPTP2; PTP-2C; JMML; Shp2; CFC

Background

Gene Name: PTPN11

NCBI Gene Entry: [5781](#)

UniProt Entry: [Q06124](#)

Application Information

Molecular Weight: Predicted, 68 kDa, observed, 68 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB2665

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human SHP2

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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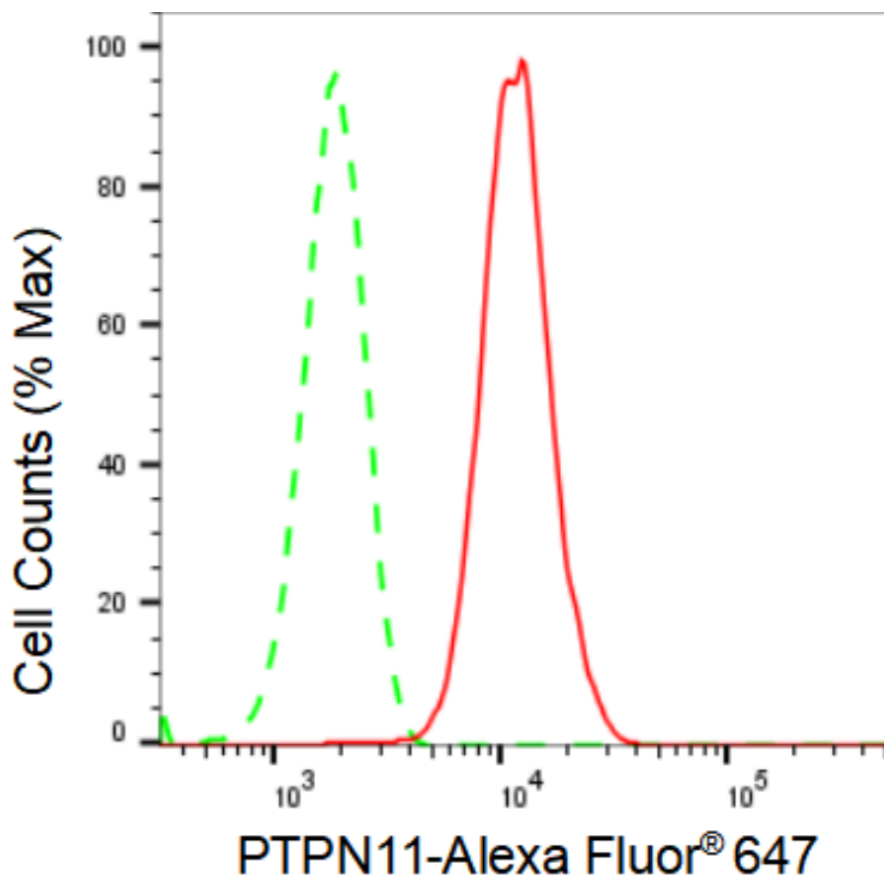
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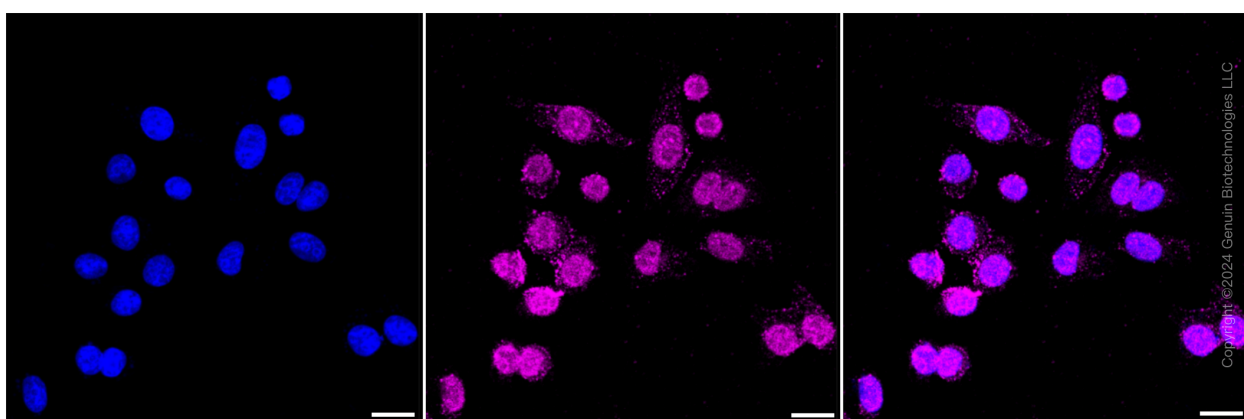
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Validation Data



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Flow cytometric analysis of PTPN11 expression in HepG2 cells using PTPN11 antibody (Cat#61507, 1:2,000). Green, isotype control; red, PTPN11.



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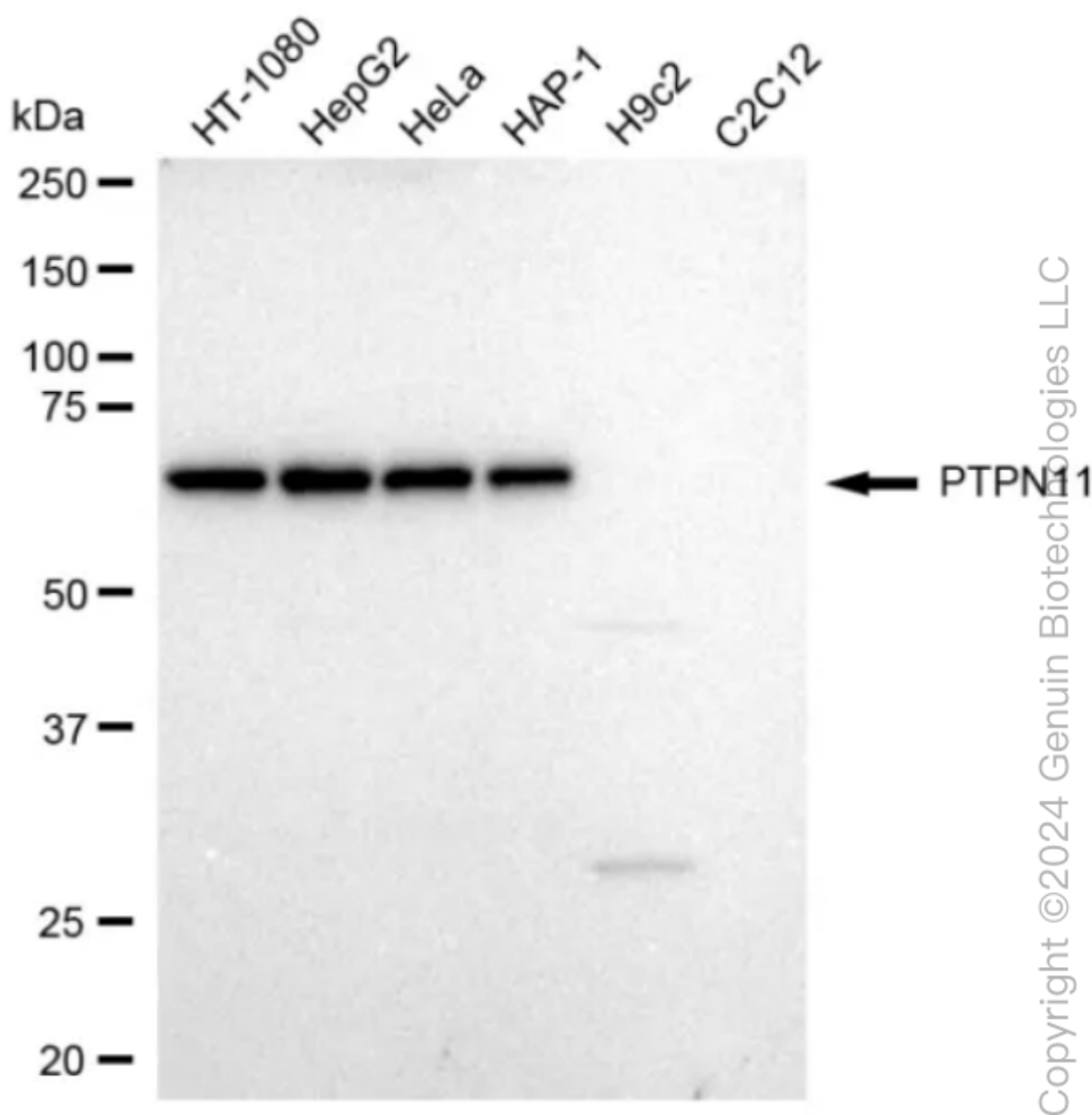
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gain: Medium. Scale bar: 20 μ m.



Western blotting analysis using anti-PTPN11 antibody (Cat#61507). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PTPN11 antibody (Cat#61507, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226). PTPN11, protein tyrosine phosphatase non-receptor type 11.

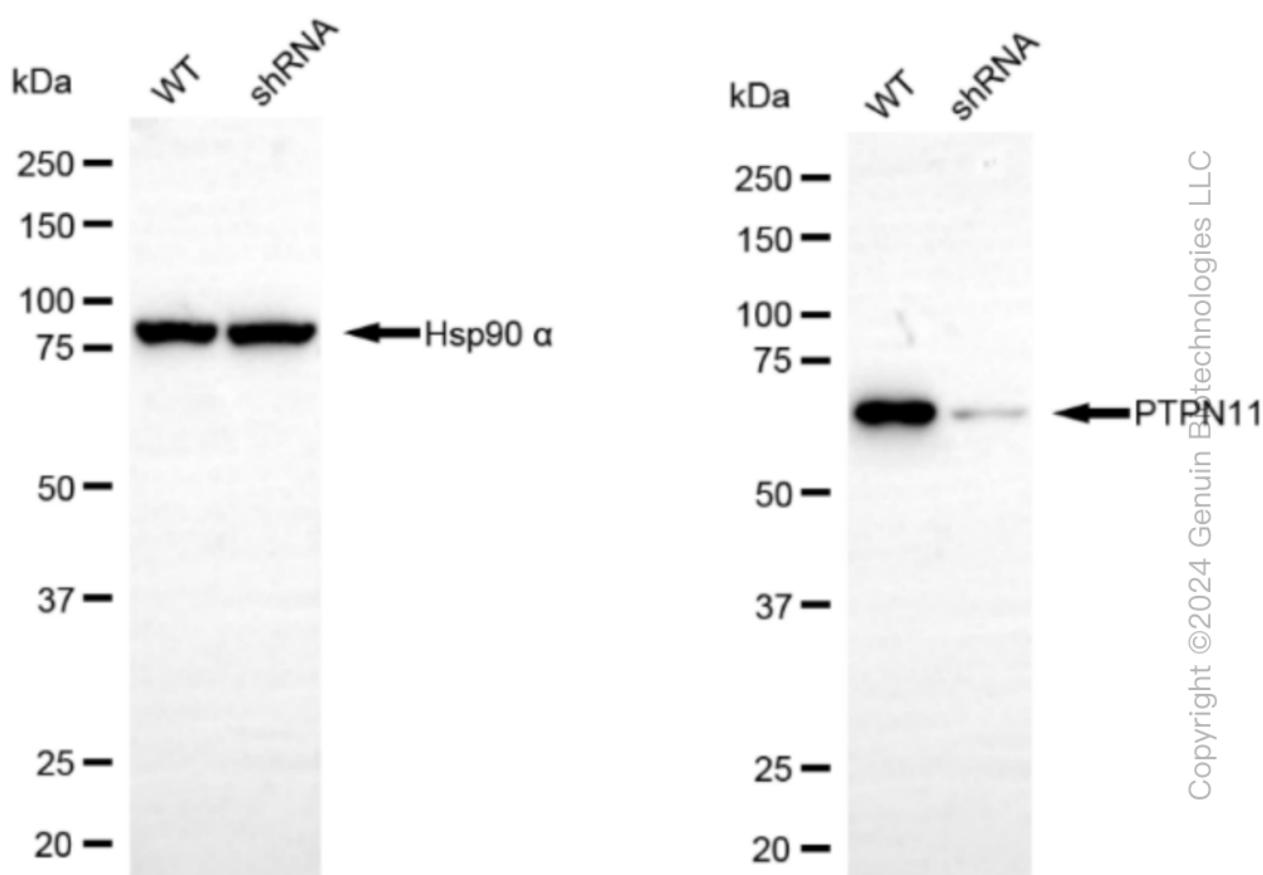
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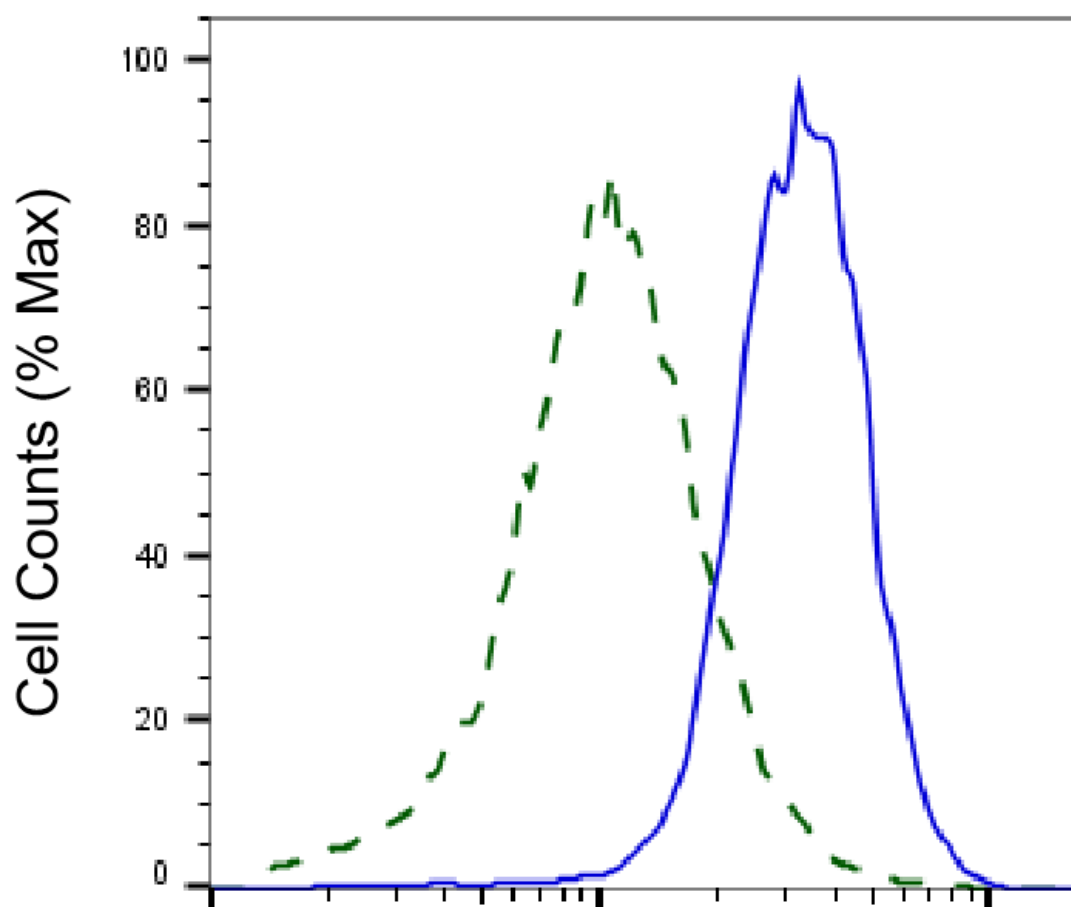
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Western blotting analysis using anti-PTPN11 antibody (Cat#61507). PTPN11 expression in wild type (WT) and PTPN11 shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-PTPN11 antibody (Cat#61507, 1:5000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



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PTPN11-Alexa Fluor® 647

Validation of PTPN11 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-PTPN11 antibody (Cat#61507, 1:2,000) and analyzed using BD flow cytometer.