

KD-Validated Anti-PTPN11 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

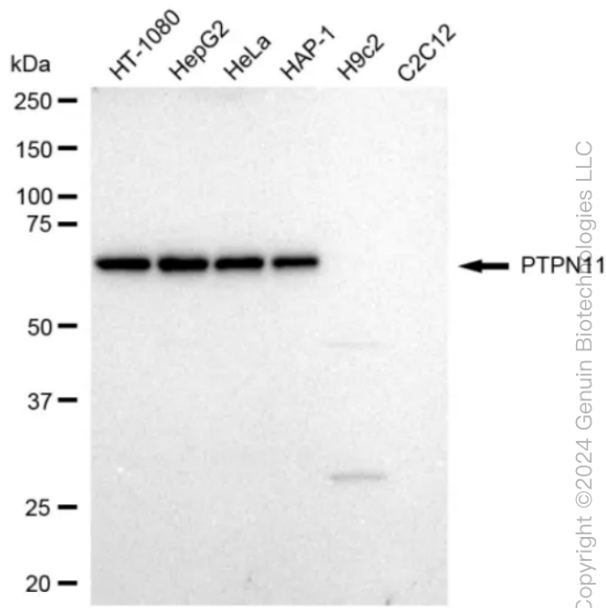
ABG1275

Product Overview

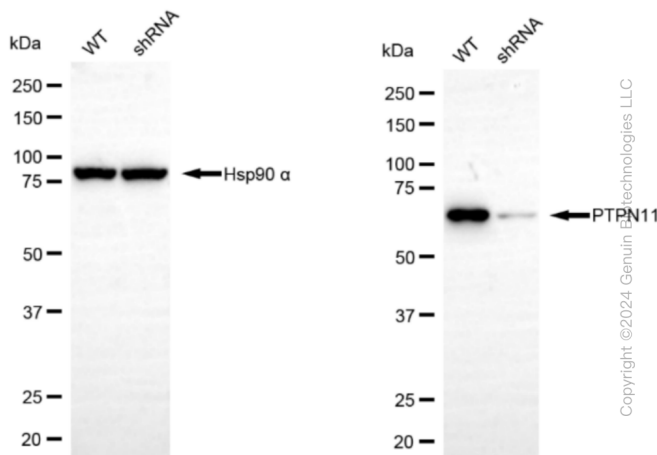
Name	KD-Validated Anti-PTPN11 Rabbit Monoclonal Antibody
Accession(Primary)	Q06124
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human SHP2
Species Reactivity	Human
Calculated MW	Predicted, 68 kDa , observed, 68 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

Target information (Q06124)

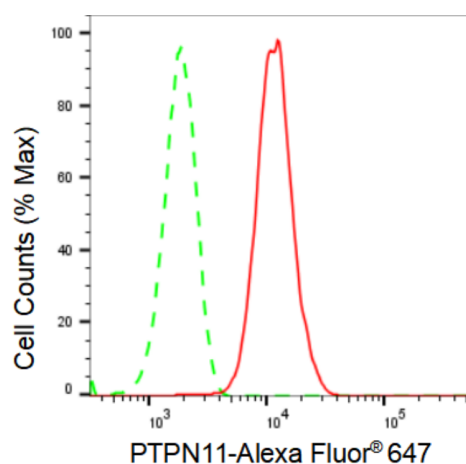
Gene Name	PTPN11
About Gene Symbol	PTPN11 (Protein Tyrosine Phosphatase Non-Receptor Type 11) is a protein phosphatase involved in receptor-mediated signaling. It is an important research target in cell signaling, drug discovery, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



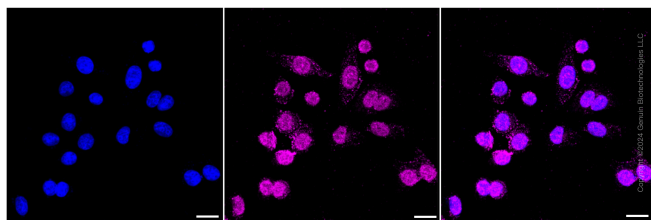
Western blotting analysis using anti-PTPN11 antibody (Cat#ABG1275). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PTPN11 antibody (Cat#ABG1275, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-PTPN11 antibody (Cat#ABG1275). PTPN11 expression in wild type (WT) and PTPN11 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-PTPN11 antibody (Cat#ABG1275, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of PTPN11 expression in HepG2 cells using PTPN11 antibody (Cat#ABG1275, 1:2,000). Green, isotype control; red, PTPN11.



Immunocytochemical staining of HepG2 cells with PTPN11 antibody (Cat#ABG1275, 1:1,000). Nuclei were stained blue with DAPI; PTPN11 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 μ m.