

## [KO Validated] Anti-PTPN6 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

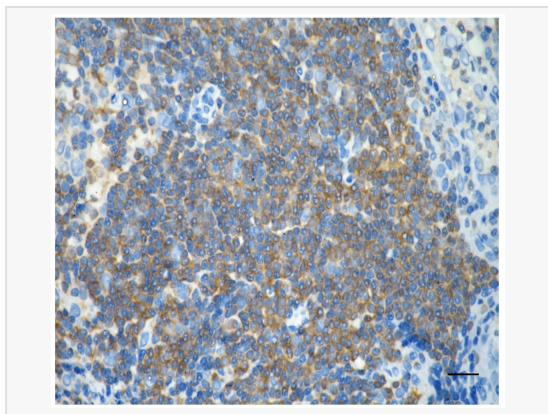
Catalog # M020002

### Product Information

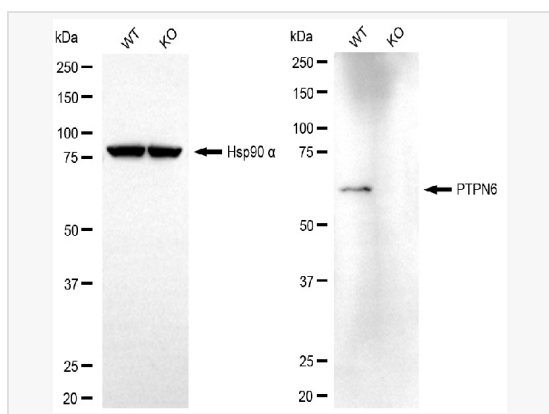
Application	WB, IHC-P/IF (Tissue-P)
Reactivity	Human
Dilution	WB 1:500~1:2,500; IHC-P 1:100~1:200
Host	Mouse
Clonality	Monoclonal
Clone No.	13C48M10
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human PTPN6
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KO Validated] Anti-PTPN6 Mouse mAb [13C48M10] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

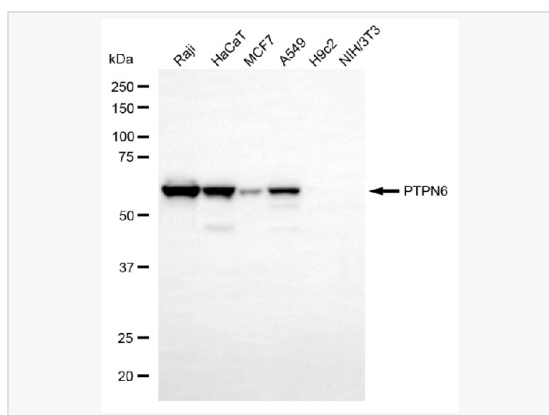
Synonyms	PTPN6; Protein Tyrosine Phosphatase Non-Receptor Type 6; PTP-1C; HCP; SHP-1; HCPH; SHP1; Tyrosine-Protein Phosphatase Non-Receptor Type 6; Hematopoietic Cell Protein-Tyrosine Phosphatase; Protein-Tyrosine Phosphatase SHP-1; Protein-Tyrosine Phosphatase 1C; EC 3.1.3.48; SH-PTP1; Hematopoietic Cell Phosphatase; HPTP1C; SHP-1L; PTP1C.
Calculated MW	Calculated MW: 68 kDa; Observed MW: 63 kDa
Uniprot ID	P29350
Gene ID	5777
Background	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation.



Immunohistochemistry was performed on paraffin-embedded human tonsillitis using PTPN6 antibody (M020002, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μm.



Western blotting analysis using PTPN6 antibody (M020002). PTPN6 expression in wild type (WT) and PTPN6 knockout (KO) HeLa cells with 40 μg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with PTPN6 antibody (M020002, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using PTPN6 antibody (M020002). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with PTPN6 antibody (M020002, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.