

PTP1B Monoclonal Antibody (OTI1C5)

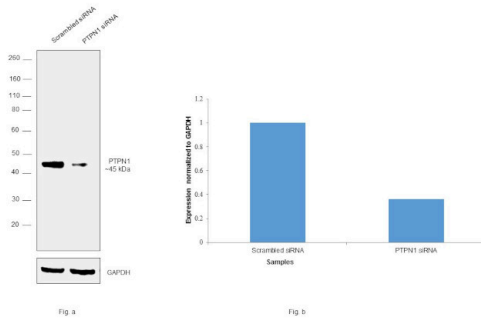
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	OTI1C5
Conjugate	Unconjugated
Immunogen	Full length human recombinant protein of PTPN1 produced in HEK293T cell
Form	Liquid
Concentration	0.87 mg/mL
Purification	Affinity Chromatography
Storage buffer	PBS, pH 7.3, with 1% BSA, 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2725149

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:150	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-

Product Images For PTP1B Monoclonal Antibody (OTI1C5)

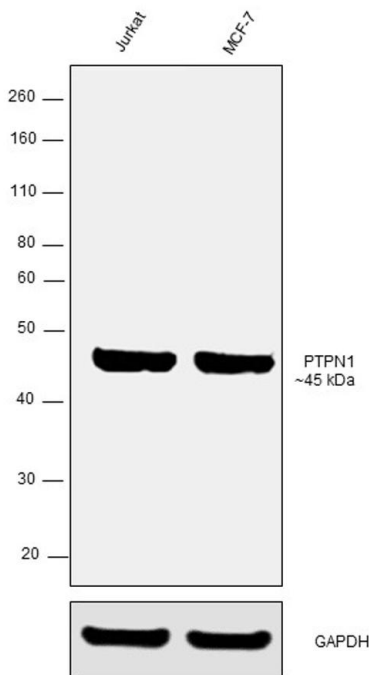
PTP1B Antibody (MA5-25641)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. MCF-7 cells were transfected with PTP1B siRNA and reduction of signal was observed in Western Blot using PTP1B Monoclonal Antibody (Product # MA5-25641). {KD}



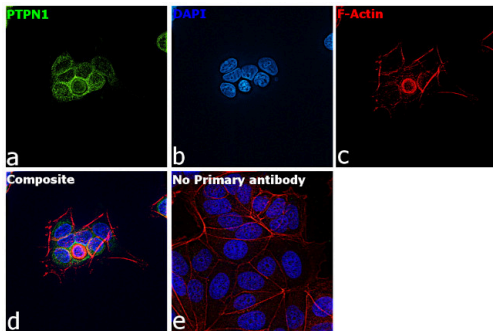
PTP1B Antibody (MA5-25641) in WB

Western blot was performed using Anti-PTP1B Monoclonal Antibody (Product # MA5-25641). A ~45kDa band corresponding to PTP1B was observed in Jurkat and MCF-7 cell lines. Membrane enriched extracts (30 µg) of Jurkat (Lane 1) and MCF-7 (Lane 2) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:2000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



PTP1B Antibody (MA5-25641) in ICC/IF

Immunofluorescence analysis of PTP1B was performed using 70% confluent log phase MCF-7 cells. The cells were fixed with 4% Paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 60 minutes at room temperature. The cells were labeled with PTPB1 Monoclonal Antibody (Product # MA5-25641) at concentration of 5 µg/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor 488 (Product # A28175), (1:2000 dilution) for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic membrane localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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