

PTPN2 Monoclonal Antibody (T25-AF3B7)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotype	Mouse / IgG2b
Class	Monoclonal
Type	Antibody
Clone	T25-AF3B7
Conjugate	Unconjugated
Immunogen	Recombinant human protein purified from E.coli
Form	liquid
Storage conditions	-20°C
RRID	AB_2538717

Applications	Tested Dilution	Publications
Western Blot (WB)	1:2,000	-
ELISA (ELISA)	Assay-dependent	-

Product Specific Information

A suggested positive control for this product is Bosc23 cell lysate transfected with Myc/His/TCPTP.

Product Images For PTPN2 Monoclonal Antibody (T25-AF3B7)

PTPN2 Antibody (MA5-17249)

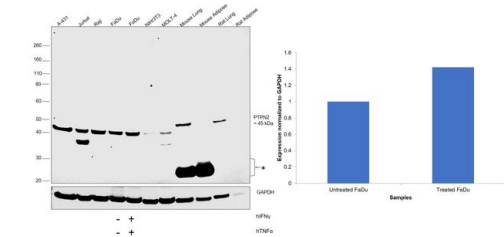
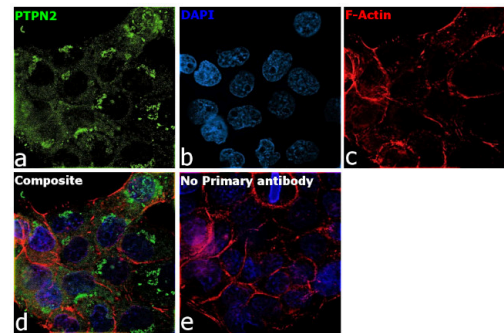
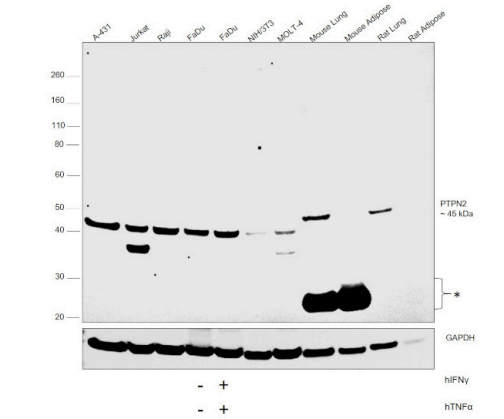
Antibody specificity was demonstrated by detection of differential basal expression of the target across mouse and rat tissues owing to their inherent genetic constitution. Relative expression of Tyrosine-protein phosphatase non-receptor type 2 was observed in lung is expected to be a high expresser than the adipose tissues. Also, due to limited proteolysis of TC-PTP a fragment of 33 kDa is generally observed in the T cells, which is clearly evident here in Jurkat and MOLT-4 cell lines, using Anti-PTPN2 Monoclonal Antibody (T25-AF3B7) (Product # MA5-17249) in Western Blot. {RE}

PTPN2 Antibody (MA5-17249) in ICC/IF

Immunofluorescence analysis of Tyrosine-protein phosphatase non-receptor type 2 was performed using 70% confluent log phase A-431 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 45 minutes at room temperature. The cells were labeled with PTPN2 Monoclonal Antibody (T25-AF3B7) (Product # MA5-17249) at 1:50 in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (1:2000), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing Cytosolic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at oil immersion (100X) magnification.

PTPN2 Antibody (MA5-17249)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using PTPN2 Monoclonal Antibody (T25-AF3B7) (Product # MA5-17249), shows an increase in the expression of PTPN2 in FaDu cell line upon treatment with hIFN gamma and recombinant hTNF alpha at 50 ng /mL each for 24 hrs. {TM}



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