

PTPN7 Monoclonal Antibody (AFPK32)

Catalog NumberMA5-17227

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody		
Clone	AFPK32	ELISA (ELISA)	Assay-dependent
Immunogen	Recombinant human protein purified from E.coli	Western Blot (WB)	1:5,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	liquid		
Storage Conditions	-20°C		

Product specific information

A suggested positive control for this product is Bosc23 cells transfected with Myc/His/HePTP.

Background/Target Information

The protein encoded by this gene is a member of the protein tyrosine phosphatase family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This gene is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. The noncatalytic N-terminus of this PTP can interact with MAP kinases and suppress the MAP kinase activities. This PTP was shown to be involved in the regulation of T cell antigen receptor signaling, which was thought to function through dephosphorylating the molecules related to MAP kinase pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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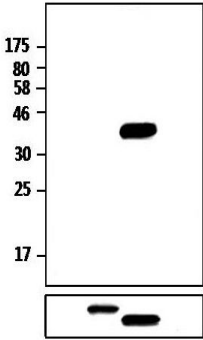
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Product Images For PTPN7 Monoclonal Antibody (AFPK32)

M.W.(kDa) 1 2 3 4



PTPN7 Antibody (MA5-17227) in WB

Western blot analysis of HePTP using anti-HePTP monoclonal antibody (Product # MA5-17227) on (Lane 1) Bosc23 Cell lysate, (Lane 2) Bosc23 Cell lysate transfected with Myc/His/Tau, (Lane 3) Bosc23 Cell lysateMyc/His/HePTP and (Lane 4) Bosc23 Cell lysate GFP-Ub-1.

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