

PTP1B Polyclonal Antibody

Catalog NumberPA5-28358

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 211 of Human PTP1B	* 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.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, A431, H1299, HeLaS3, HepG2, Raji. Predicted reactivity: Mouse (94%), Rat (95%), Zebrafish (86%), Xenopus laevis (87%), Pig (99%), Chicken (96%), Rhesus Monkey (100%), Bovine (96%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

PTP1B (PTPN1) is a tyrosine-protein phosphatase which acts as a regulator of endoplasmic reticulum unfolded protein response. It mediates dephosphorylation of EIF2AK3/PERK and in turn inactivates the protein kinase activity of EIF2AK3/PERK. PTP1B also plays a role in CKII- and p60c-src-induced signal transduction cascades. It regulates the EFNA5-EPHA3 signaling pathway which modulates cell reorganization and cell-cell repulsion. PTP1B also regulates the hepatocyte growth factor receptor signaling pathway through dephosphorylation of MET.

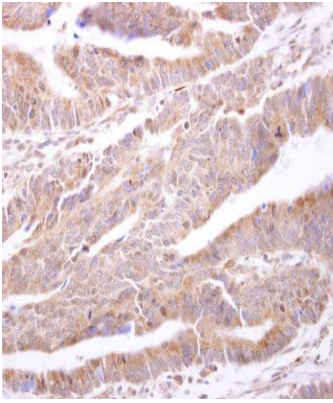
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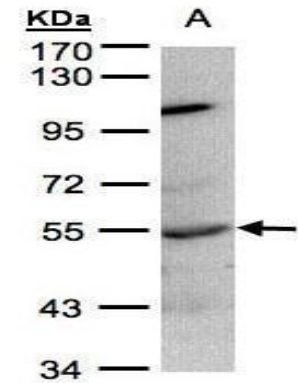
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Product Images For PTP1B Polyclonal Antibody



PTP1B Antibody (PA5-28358) in IHC (P)

PTP1B Polyclonal Antibody detects PTP1B protein at cytosol on human colon carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human colon carcinoma. PTP1B Polyclonal Antibody (Product # PA5-28358) dilution: 1:500. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



PTP1B Antibody (PA5-28358) in WB

Western Blot using PTP1B Polyclonal Antibody (Product # PA5-28358). Sample (30 µg whole cell lysate). A: Raji. 7.5% SDS PAGE. PTP1B Polyclonal Antibody (Product # PA5-28358) diluted at 1:500.

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