# antibodies - online.com







# anti-PTPN1 antibody (AA 1-100)





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Quantity:	100 μL
Target:	PTPN1
Binding Specificity:	AA 1-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffinembedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

# **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human PTP-1B
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

# **Target Details**

Target: PTPN1
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Target Details	
Alternative Name:	PTP1B (PTPN1 Products)
Background:	Synonyms: PTP1B, Tyrosine-protein phosphatase non-receptor type 1, Protein-tyrosine phosphatase 1B, PTP-1B, PTPN1  Background: Tyrosine-protein phosphatase which acts as a regulator of endoplasmic reticulum unfolded protein response. Mediates dephosphorylation of EIF2AK3/PERK, inactivating the protein kinase activity of EIF2AK3/PERK. May play an important role in CKII- and p60c-src-
	induced signal transduction cascades. May regulate the EFNA5-EPHA3 signaling pathway which modulates cell reorganization and cell-cell repulsion. May also regulate the hepatocyte growth factor receptor signaling pathway through dephosphorylation of MET.
Gene ID:	5770
UniProt:	P18031
Pathways:	TLR Signaling, Response to Growth Hormone Stimulus, ER-Nucleus Signaling, Platelet-derived growth Factor Receptor Signaling
Application Details	
Application Notes:	WB 1:300-5000  ELISA 1:500-1000  FCM 1:20-100  IHC-P 1:200-400
	IHC-F 1:100-500

IF(IHC-P) 1:50-200

IF(IHC-F) 1:50-200

IF(ICC) 1:50-200

ICC 1:100-500

Restrictions: For Research Use only

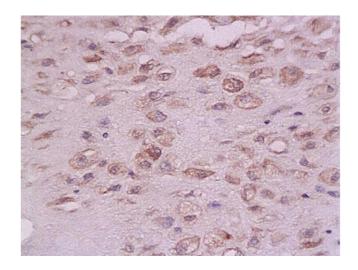
# Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

# Handling

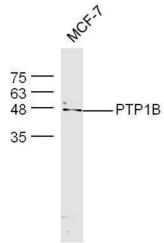
	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

# **Images**



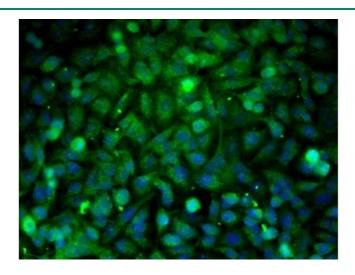
# **Immunohistochemistry**

**Image 1.** Formalin-fixed and paraffin embedded: human endometrium tissue labeled with Anti-PTP-1B Polyclonal Antibody (ABIN725975), Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



# **Western Blotting**

**Image 2.** MCF-7 cell lysates probed with Rabbit Anti-PTP1B Polyclonal Antibody, Unconjugated at 1:500 for 90 min at  $37^{\circ}\text{C}$ 



#### **Immunofluorescence (Cultured Cells)**

**Image 3.** Image provided by One World Lab validation program. A549 cells probed with Rabbit Anti-PTP1B Polyclonal Antibody at 1:100 for 60 minutes at room temperature followed by Goat Anti-Rabbit IgG (H+L) Alexa Fluor 488 Conjugated secondary antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN725975.