

Datasheet for ABIN742170  
**anti-PTPRJ antibody (AA 865-970)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	PTPRJ
Binding Specificity:	AA 865-970
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPRJ antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PTPRJ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	PTPRJ
Alternative Name:	DEP1/PTPRJ ( <a href="#">PTPRJ Products</a> )
Background:	Synonyms: DEP1, SCC1, CD148, HPTPeta, R-PTP-ETA, Receptor-type tyrosine-protein

## Target Details

phosphatase eta, Protein-tyrosine phosphatase eta, Density-enhanced phosphatase 1, DEP-1, HPTP eta, Protein-tyrosine phosphatase receptor type J, R-PTP-J, PTPRJ

Background: Tyrosine phosphatase which dephosphorylates or contributes to the dephosphorylation of CTNND1, FLT3, PDGFRB, MET, RET (variant MEN2A), KDR, LYN, SRC, MAPK1, MAPK3, EGFR, TJP1, OCLN, PIK3R1 and PIK3R2. Plays a role in cell adhesion, migration, proliferation and differentiation. Involved in vascular development. Regulator of macrophage adhesion and spreading. Positively affects cell-matrix adhesion. Positive regulator of platelet activation and thrombosis. Negative regulator of cell proliferation. Negative regulator of PDGF-stimulated cell migration, through dephosphorylation of PDGFR. Positive regulator of endothelial cell survival, as well as of VEGF-induced SRC and AKT activation, through KDR dephosphorylation. Negative regulator of EGFR signaling pathway, through EGFR dephosphorylation. Enhances the barrier function of epithelial junctions during reassembly. Negatively regulates T-cell receptor (TCR) signaling. Upon T-cell TCR activation, it is up-regulated and excluded from the immunological synapses, while upon T-cell-antigen presenting cells (APC) disengagement, it is no longer excluded and can dephosphorylate PLCG1 and LAT to down-regulate prolongation of signaling.

Gene ID: 5795

UniProt: [Q12913](#)

Pathways: [EGFR Signaling Pathway](#), [Platelet-derived growth Factor Receptor Signaling](#)

## Application Details

Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400

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.

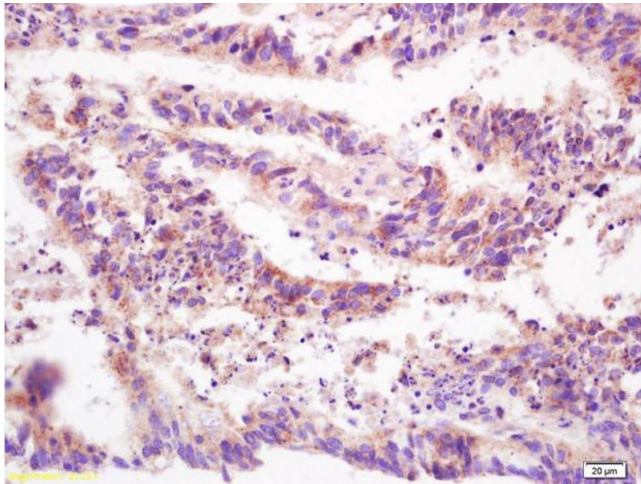
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

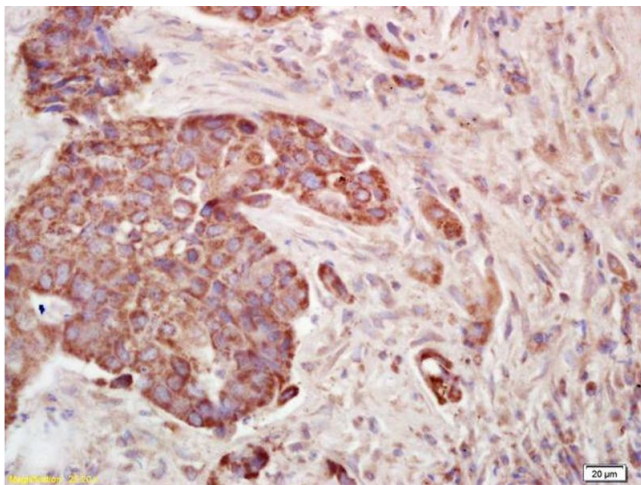
	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti-PTP/PTPase/CD148 Polyclonal Antibody, Unconjugated (ABIN742170) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-PTP/PTPase/CD148 Polyclonal Antibody, Unconjugated (ABIN742170) at 1:200 followed by conjugation to the secondary antibody and DAB staining.