

PTPRA antibody

Catalog No: #38329

Package Size: #38329-1 50ul #38329-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

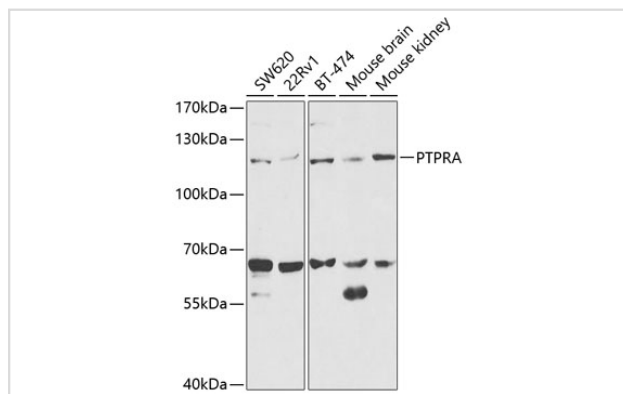
Description

Product Name	PTPRA antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous level of total PTPRA protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PTPRA.
Conjugates	Unconjugated
Target Name	PTPRA
Other Names	LRP; HLPR; PTPA; HEPTP; HPTPA; RPTPA; PTPRL2; HPTPalpha; R-PTP-alpha;
Accession No.	Swiss-Prot#: P18433NCBI Gene ID: 5786
SDS-PAGE MW	90kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

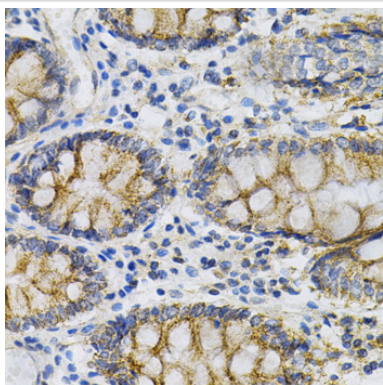
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:100 - 1:200

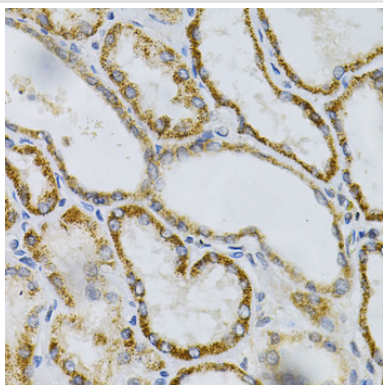
Images



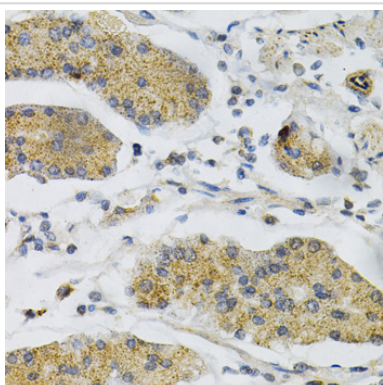
Western blot analysis of extracts of various cell lines, using PTPRA antibody at 1:1000 dilution.



Immunohistochemistry of paraffin-embedded human colon using PTPRA antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human kidney using PTPRA antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using PTPRA antibody at dilution of 1:100 (40x lens).

Background

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) 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 PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. This PTP has been shown to dephosphorylate and activate Src family tyrosine kinases, and is implicated in the regulation of integrin signaling, cell adhesion and proliferation. Three alternatively spliced variants of this gene, which encode two distinct isoforms, have been reported.

Published Papers

et al., MicroRNA-146a-5p Attenuates Fibrosis-related Molecules In Irradiated and TGF-beta1-Treated Human Hepatic Stellate Cells by Regulating PTPRA-SRC Signalling. In Radiat Res on 2019 Dec by Yuan BY, Chen YH, et al..PMID:31560641, , (2019)

[PMID:31560641](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.