

PTPRK Antibody

Catalog No: #35901



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

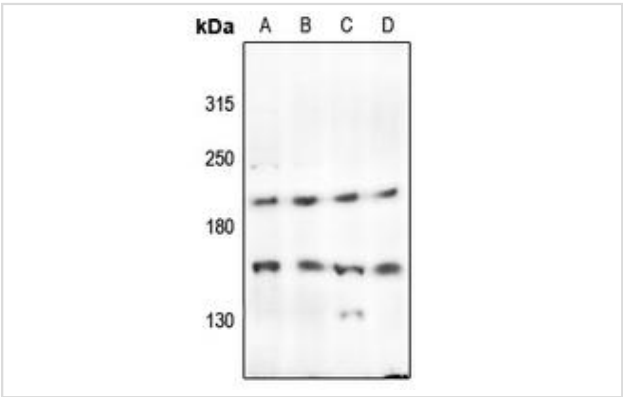
Description

Product Name	PTPRK Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified by immunogen affinity chromatography.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total PTPRK protein.
Immunogen Type	Peptide
Immunogen Description	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human PTP kappa.
Target Name	PTPRK
Other Names	R-PTP-kappa
Accession No.	Swiss-Prot#: Q15262NCBI Gene ID: 5796Gene Accssion: BC063596
Uniprot	Q15262
GeneID	5796;
SDS-PAGE MW	162kd
Concentration	1.0mg/ml
Formulation	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20°C

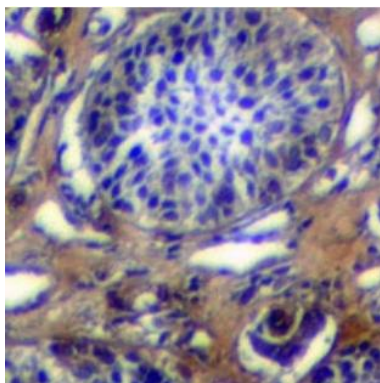
Application Details

WB 1:500-1:1000;
IHC 1:50-1:100

Images



Western blot analysis of PTP kappa expression in HCT116 (A),A549 (B), mouse lung (C), rat brain (D) whole cell lysates. (Predicted band size: 162 kDa; Observed band size: 210; 162kDa)



Immunohistochemical analysis of PTP kappa staining in human kidney cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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 possesses an extracellular region, a single transmembrane region, and two tandem catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP mu (MAM) domain, an Ig-like domain and four fibronectin type III-like repeats. This PTP was shown to mediate homophilic intercellular interaction, possibly through the interaction with beta- and gamma-catenin at adherens junctions. Expression of this gene was found to be stimulated by TGF-beta 1, which may be important for the inhibition of keratinocyte proliferation.

Note: This product is for in vitro research use only