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Anti-PTP kappa Antibody

Catalog # AP51841

Product Information

Application	WB, IHC
Primary Accession	Q15262
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	162102

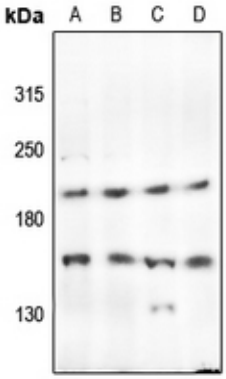
Additional Information

Gene ID	5796
Other Names	PTPK; Receptor-type tyrosine-protein phosphatase kappa; Protein-tyrosine phosphatase kappa; R-PTP-kappa
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human PTP kappa. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	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.Stable for 12 months from date of receipt

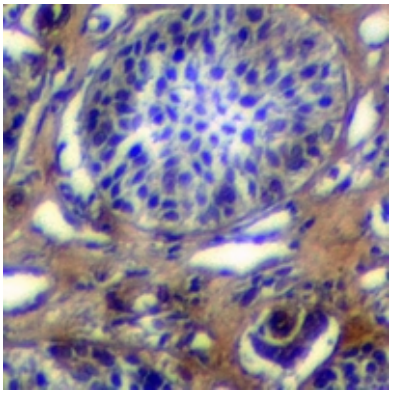
Protein Information

Name	PTPRK
Synonyms	PTPK
Function	Regulation of processes involving cell contact and adhesion such as growth control, tumor invasion, and metastasis. Negative regulator of EGFR signaling pathway. Forms complexes with beta-catenin and gamma-catenin/plakoglobin. Beta-catenin may be a substrate for the catalytic activity of PTPRK/PTP-kappa.
Cellular Location	Cell junction, adherens junction. Cell membrane; Single-pass type I membrane protein
Tissue Location	High levels in lung, brain and colon; less in liver, pancreas, stomach, kidney, placenta and mammary carcinoma

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 kD; Observed band size: 210; 162 kD)



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.