

PTP kappa Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51841

Product Information

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

Additional Information

Gene ID	5796
Other Names	Receptor-type tyrosine-protein phosphatase kappa, Protein-tyrosine phosphatase kappa, R-PTP-kappa, PTPRK, PTPK
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~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
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

Background

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.

References

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Mungall A.J.,et al.Nature 425:805-811(2003).

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