

# PTP kappa Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51841

## Product Information

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Application	WB
Primary Accession	<a href="#">Q15262</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	162102

## Additional Information

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Gene ID	5796
Other Names	Receptor-type tyrosine-protein phosphatase kappa, Protein-tyrosine phosphatase kappa, R-PTP-kappa, PTPRK, PTPK
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

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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

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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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- Fuchs M.,et al.J. Biol. Chem. 271:16712-16719(1996).  
Yang Y.,et al.Gene 186:77-82(1997).  
Mungall A.J.,et al.Nature 425:805-811(2003).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Tarcic G.,et al.Curr. Biol. 19:1788-1798(2009).

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