

Rabbit anti-Human, Mouse PTPRK Polyclonal Antibody | anti-PTPRK antibody

PTPRK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328140	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PTPRK; Polyclonal Antibody; PTPRK Antibody; dJ480J14.2.1; DKFZp686C2268; DKFZp779N1045; OTTHUMP00000017180; OTTHUMP00000017181; OTTHUMP00000017182; OTTHUMP00000017187; OTTHUMP00000040306; Protein tyrosine phosphatase kappa; Protein tyrosine phosphatase kappa precursor; Protein tyrosine phosphatase receptor type K; Protein tyrosine phosphatase receptor type kappa; Protein-tyrosine phosphatase kappa; PTPK; PTPkappa; Ptpk; PTPRK_HUMAN; R PTP kappa; R-PTP-kappa; Receptor type tyrosine protein phosphatase kappa; Receptor-type tyrosine-protein phosphatase kappa; anti-PTPRK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	PTPRK antibody detects endogenous levels of total PTPRK
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1446
Applicable Applications for anti-PTPRK antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PTPRK
Subcellular Location	Cell Junction > Adherens Junction. Cell Membrane.
Tissue Specificity	High levels in lung, brain and colon; less in liver, pancreas, stomach, kidney, placenta and mammary carcinoma.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Chicken
Similarity	Pig (100%), Zebrafish (82%), Bovine (100%), Horse (100%), Sheep (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of PTPRK using COLO205 whole cell lysates



IHC (Immunohistochemistry)
AAA328140 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPRK antibody	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. Post-translational Modifications: This protein undergoes proteolytic processing. Similarity: Belongs to the protein-tyrosine phosphatase family. Receptor class 2B subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	208431815
NCBI GeneID	5796
NCBI Accession #	NP_001129120.1
NCBI GenBank Nucleotide #	NM_001135648.2
UniProt Accession #	Q15262; Q14763; Q5TG10; Q5TG11; B2RTQ8; B7ZMG0
Molecular Weight	Observed: 162 kDa Predicted: 163 kDa
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase kappa isoform a
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type K
NCBI Official Symbol	PTPRK
NCBI Official Synonym Symbols	R-PTP-kappa
NCBI Protein Information	receptor-type tyrosine-protein phosphatase kappa
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase kappa
UniProt Gene Name	PTPRK
UniProt Synonym Gene Names	PTPK; Protein-tyrosine phosphatase kappa; R-PTP-kappa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ptprk-antibody-immunohistochemistry-western-blot-elisa/328140>