

Datasheet for ABIN7167509
anti-PTPRK antibody (AA 589-749)



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3 Images

Overview

Quantity:	100 µg
Target:	PTPRK
Binding Specificity:	AA 589-749
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPRK antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Receptor-type tyrosine-protein phosphatase kappa protein (589-749AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PTPRK
Alternative Name:	PTPRK (PTPRK Products)
Background:	Background: Regulation of processes involving cell contact and adhesion such as growth control, tumor invasion, and metastasis. Negative regulator of EGFR signaling pathway. Forms

Target Details

complexes with beta-catenin and gamma-catenin/plakoglobin. Beta-catenin may be a substrate for the catalytic activity of PTPRK/PTP-kappa.

Aliases: dJ480J14.2.1 antibody, DKFZp686C2268 antibody, DKFZp779N1045 antibody, OTTHUMP00000017180 antibody, OTTHUMP00000017181 antibody, OTTHUMP00000017182 antibody, OTTHUMP00000017187 antibody, OTTHUMP00000040306 antibody, Protein tyrosine phosphatase kappa antibody, Protein tyrosine phosphatase kappa precursor antibody, Protein tyrosine phosphatase receptor type K antibody, Protein tyrosine phosphatase receptor type kappa antibody, Protein-tyrosine phosphatase kappa antibody, PTPK antibody, PTPkappa antibody, Ptpkr antibody, PTPRK_HUMAN antibody, R PTP kappa antibody, R-PTP-kappa antibody, Receptor type tyrosine protein phosphatase kappa antibody, Receptor-type tyrosine-protein phosphatase kappa antibody

UniProt: [Q15262](#)

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

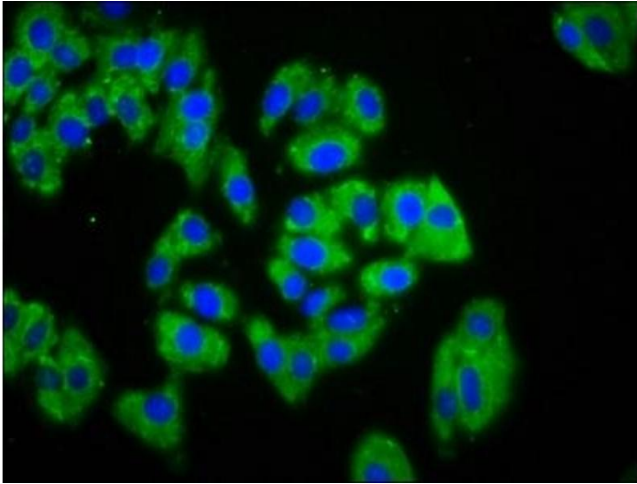
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

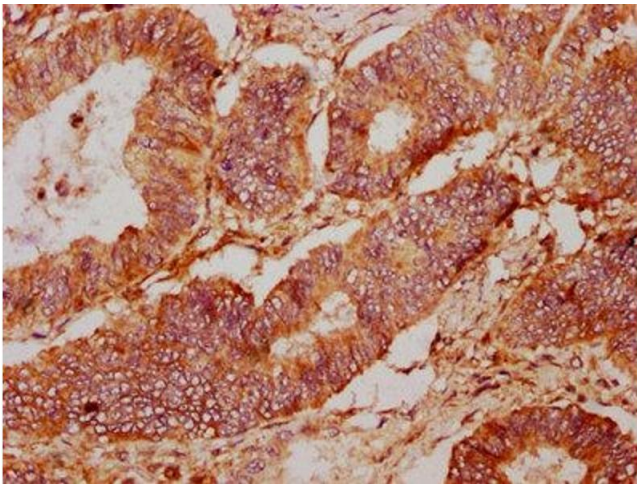
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



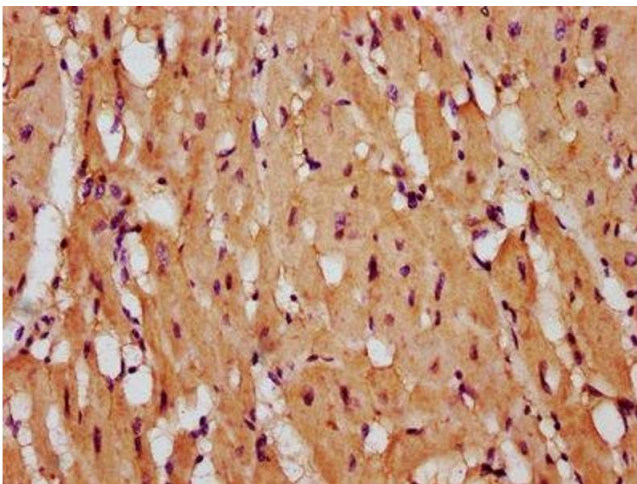
Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7167509 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7167509 diluted at 1:400 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 3. IHC image of ABIN7167509 diluted at 1:400 and staining in paraffin-embedded human heart tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.