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# Datasheet for ABIN7269702 anti-PTPRK antibody (AA 600-750)

Image



#### Overview

Quantity:	100 μL
Target:	PTPRK
Binding Specificity:	AA 600-750
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPRK antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

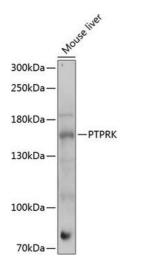
Purpose:	PTPRK Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 600-750 of human PTPRK (NP_001129120.1).
Sequence:	EGVDASLNET ATTITVLLRP AQAKGAPISA YQIVVEELHP HRTKREAGAM ECYQVPVTYQ NAMSGGAPYY FAAELPPGNL PEPAPFTVGD NRTYQGFWNP PLAPRKGYNI YFQAMSSVEK ETKTQCVRIA TKAAATEEPE VIPDPAKQTD R
lsotype:	lgG
Cross-Reactivity:	Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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## Target Details

Target:	PTPRK
Alternative Name:	PTPRK (PTPRK Products)
Background:	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP)
	family. PTPs are known to be signaling molecules that regulate a variety of cellular processes
	including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP
	possesses an extracellular region, a single transmembrane region, and two tandem catalytic
	domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-
	A5 antigen-PTP mu (MAM) domain, an Ig-like domain and four fibronectin type III-like repeats.
	This PTP was shown to mediate homophilic intercellular interaction, possibly through the
	interaction with beta- and gamma-catenin at adherens junctions. Expression of this gene was
	found to be stimulated by TGF-beta 1, which may be important for the inhibition of keratinocyte
	proliferation.,PTPRK,R-PTP-kappa,Cancer,Signal Transduction,Endocrine & Metabolism,Amino
	acid metabolism,PTPRK
Molecular Weight:	162kDa/163kDa/164kDa
Gene ID:	5796
UniProt:	Q15262
Pathways:	Cell-Cell Junction Organization
Application Details	
Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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#### Western Blotting

**Image 1.** Western blot analysis of extracts of mouse liver, using PTPRK antibody (ABIN7269702) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 60s.

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