

DATASHEET

PRPK Rabbit Polyclonal Antibody

CAT. NO. APA17156

KEY FEATURES

Target	PRPK	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine A37) in tRNAs that read codons beginning with adenine . The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37 . TP53RK has ATPase activity in the context of the EKC/KEOPS complex and likely plays a supporting role to the catalytic subunit OSGEP . Atypical protein kinase that phosphorylates 'Ser-15' of p53/TP53 protein and may therefore participate in its activation .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
----	----------------

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

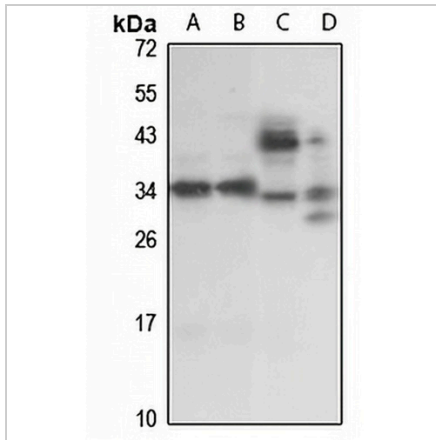
Description	Rabbit polyclonal antibody to PRPK
Specificity	Recognizes endogenous levels of PRPK protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PRPK. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 28 kD; Observed: 28 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	C20orf64; PRPK; TP53-regulating kinase; Atypical serine/threonine protein kinase TP53RK; EKC/KEOPS complex subunit TP53RK; Nori-2; p53-related protein kinase
Gene Symbol	TP53RK
Entrez Gene	112858(Human); 76367(Mouse)
SwissProt	Q96S44(Human); Q99PW4(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET**PRPK Rabbit Polyclonal Antibody**

CAT. NO. APA17156

DATA

Western blot analysis of PRPK expression in HeLa (A), Jurkat (B), mouse thymus (C), rat testis (D) whole cell lysates. (Predicted band size: 28 kD; Observed band size: 28 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.