

DATASHEET

PNKD Rabbit Polyclonal Antibody

CAT. NO. APA16530

KEY FEATURES

Target	PNKD	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB, IF/ICC	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

Probable thioesterase that may play a role in cellular detoxification processes; it likely acts on a yet-unknown alpha-hydroxythioester substrate (Probable). In vitro, it is able to catalyze the hydrolysis of S-D-lactoyl-glutathione to form glutathione and D-lactic acid at very low rate, though this reaction is not physiologically relevant in vivo. In vitro, it is able to catalyze the hydrolysis of S-D-lactoyl-glutathione to form glutathione and D-lactic acid at very low rate, though this reaction is not physiologically relevant in vivo.

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
IF/ICC	1:50 - 1:200

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

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to PNKD
Specificity	Recognizes endogenous levels of PNKD protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PNKD. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 15; Observed: 43 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	KIAA1184; MR1; TAHCCP2; Probable hydrolase PNKD; Myofibrillogenesis regulator 1; MR-1; Paroxysmal nonkinesinogenic dyskinesia protein; Trans-activated by hepatitis C virus core protein 2
Gene Symbol	PNKD
Entrez Gene	25953(Human); 56695(Mouse)
SwissProt	Q8N490(Human); Q69ZP3(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.

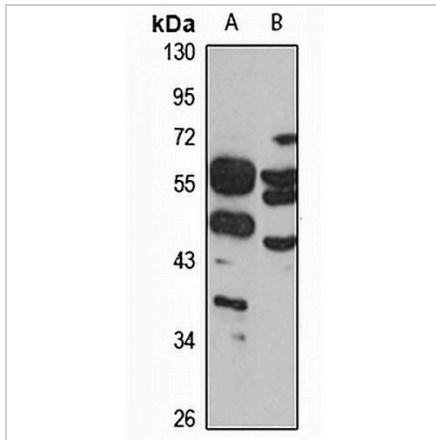
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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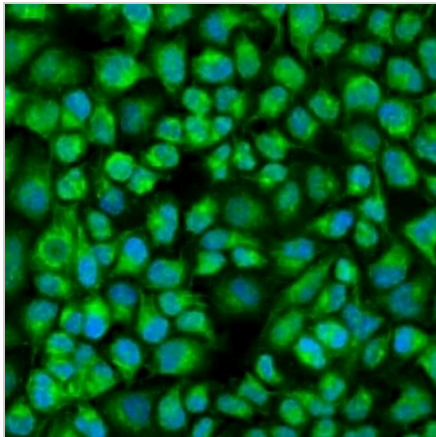
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DATA



Western blot analysis of PNKD expression in THP1 (A), mouse kidney (B) whole cell lysates. (Predicted band size: 15; 36; 40; 42 kD; Observed band size: 43 kD)



Immunofluorescent analysis of PNKD staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

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.