

DATASHEET

Plakophilin 3 Rabbit Polyclonal Antibody

CAT. NO. APA18113

KEY FEATURES

Target	Plakophilin 3	Source / Host	Rabbit
Reactivity	Human	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

A component of desmosome cell-cell junctions which are required for positive regulation of cellular adhesion . Required for the localization of DSG2, DSP and PKP2 to mature desmosome junctions . May also play a role in the maintenance of DSG3 protein abundance in keratinocytes . Required for the formation of DSP-containing desmosome precursors in the cytoplasm during desmosome assembly . Also regulates the accumulation of CDH1 to mature desmosome junctions, via cAMP-dependent signaling and its interaction with activated RAP1A . Positively regulates the stabilization of PKP2 mRNA and therefore protein abundance, via its interaction with FXR1, may also regulate the protein abundance of DSP via the same mechanism . May also regulate the protein abundance of the desmosome component PKP1 .

APPLICATION

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

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

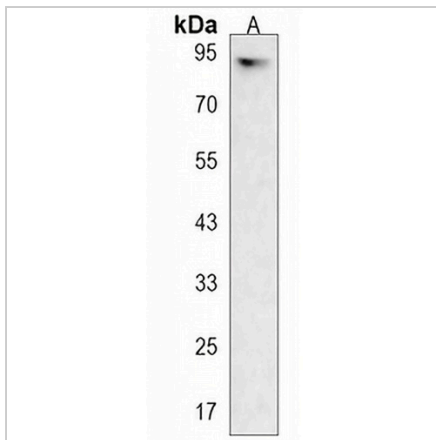
Description	Rabbit polyclonal antibody to Plakophilin 3
Specificity	Recognizes endogenous levels of Plakophilin 3 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human Plakophilin 3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 87 kD; Observed: 94 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	Plakophilin-3
Gene Symbol	PKP3
Entrez Gene	11187(Human)
SwissProt	Q9Y446(Human)

*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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DATA

Western blot analysis of Plakophilin 3 expression in A549 (A) whole cell lysates. (Predicted band size: 87 kD; Observed band size: 94 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.