

**DATASHEET**

**AF3P21 Rabbit Polyclonal Antibody**

CAT. NO. APA08871

**KEY FEATURES**

Target	AF3P21	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	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**

Has an important role in stress fiber formation induced by active diaphanous protein homolog 1 (DRF1). Induces microspike formation, in vivo . In vitro, stimulates N-WASP-induced ARP2/3 complex activation in the absence of CDC42 . May play an important role in the maintenance of sarcomeres and/or in the assembly of myofibrils into sarcomeres. Implicated in regulation of actin polymerization and cell adhesion. Plays a role in angiogenesis.

**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
IHC	1:50 - 1:100

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

**PRODUCT OVERVIEW**

Description	Rabbit polyclonal antibody to AF3P21
Specificity	Recognizes endogenous levels of AF3P21 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human AF3P21. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 78 kD; Observed: 78 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	AF3P21; SPIN90; NCK-interacting protein with SH3 domain; 54 kDa VacA-interacting protein; 54 kDa vimentin-interacting protein; VIP54; 90 kDa SH3 protein interacting with Nck; AF3p21; Dia-interacting protein 1; DIP-1; Diaphanous protein-interacting protein; SH3 adapter protein SPIN90; WASP-interacting SH3-domain protein; WISH; Wiskott-Aldrich syndrome protein-interacting protein
Gene Symbol	NCKIPSD
Entrez Gene	51517(Human); 80987(Mouse)
SwissProt	Q9NZQ3(Human); Q9ESJ4(Mouse)

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

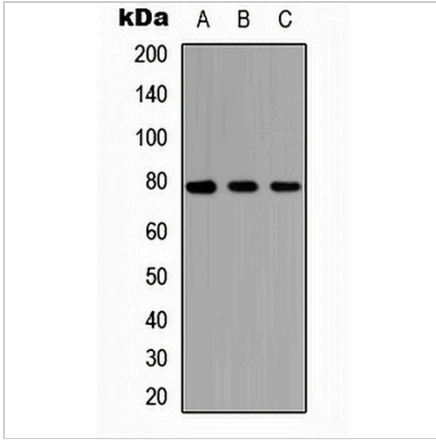
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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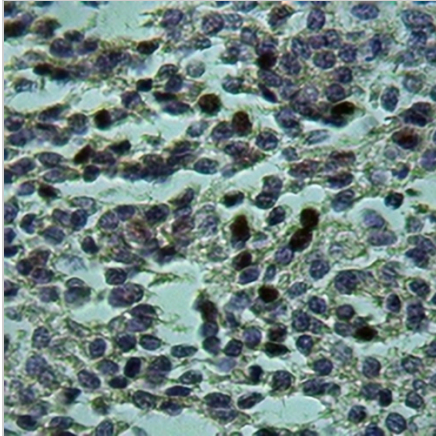
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**DATA**



Western blot analysis of AF3P21 expression in HEK293T (A), Raw264.7 (B), H9C2 (C) whole cell lysates. (Predicted band size: 78 kD; Observed band size: 78 kD)



Immunohistochemical analysis of AF3P21 staining in human kidney cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**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.