

**DATASHEET**

**RNF5 Rabbit Polyclonal Antibody**

CAT. NO. APA13673

**KEY FEATURES**

Target	RNF5	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**

Membrane-bound E3 ubiquitin-protein ligase that mediates ubiquitination of target proteins . May function together with E2 ubiquitin-conjugating enzymes UBE2D1/UBCH5A and UBE2D2/UBC4 . Mediates ubiquitination of PXN/paxillin, thereby regulating cell motility and localization of PXN/paxillin . Catalyzes ubiquitination of Salmonella type III secreted protein sopA . Mediates the 'Lys-63'-linked polyubiquitination of JKAMP thereby regulating JKAMP function by decreasing its association with components of the proteasome and ERAD; the ubiquitination appears to involve E2 ubiquitin-conjugating enzyme UBE2N .

**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
IHC	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 RNF5
Specificity	Recognizes endogenous levels of RNF5 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human RNF5
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 19 kD; Observed: 21 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	G16; NG2; RMA1; E3 ubiquitin-protein ligase RNF5; Protein G16; RING finger protein 5; Ram1 homolog; HsRma1
Gene Symbol	RNF5
Entrez Gene	6048(Human); 54197(Mouse); 407784(Rat)
SwissProt	Q99942(Human); O35445(Mouse); Q5M807(Rat)

\*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.

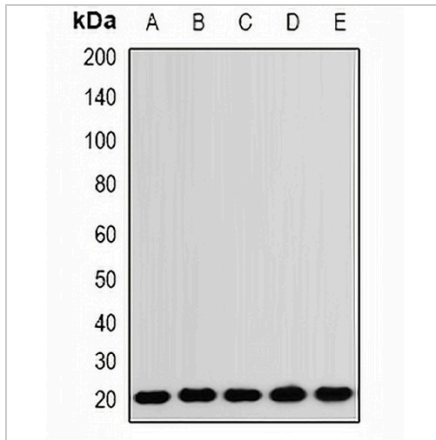
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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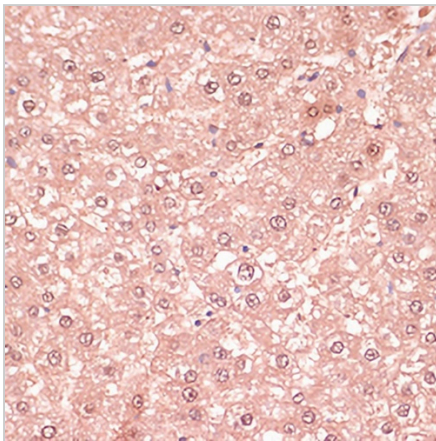
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**DATA**



Western blot analysis of RNF5 expression in MCF7 (A), Jurkat (B), mouse liver (C), mouse kidney (D), rat brain (E) whole cell lysates. (Predicted band size: 19 kD; Observed band size: 21 kD)



Immunohistochemical analysis of RNF5 staining in rat liver 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.