

DATASHEET
RNF81 Rabbit Polyclonal Antibody
CAT. NO. APA13749
KEY FEATURES

Target	RNF81	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC, 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

E3 ubiquitin-protein ligase whose activity is dependent on E2 enzymes, UBE2D1, UBE2D2, UBE2E1 and UBE2E2 . Forms a ubiquitin ligase complex in cooperation with the E2 UBE2D2 that is used not only for the ubiquitination of USP4 and IKBKB but also for its self-ubiquitination . Component of cullin-RING-based SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complexes such as SCF(SKP2)-like complexes . A TRIM21-containing SCF(SKP2)-like complex is shown to mediate ubiquitination of CDKN1B (Thr-187 phosphorylated-form), thereby promoting its degradation by the proteasome . Monoubiquitinates IKBKB that will negatively regulates Tax-induced NF-kappa-B signaling .

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
IF/ICC	1:10 - 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 RNF81
Specificity	Recognizes endogenous levels of RNF81 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human RNF81
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 45; Observed: 54 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	RNF81; RO52; SSA1; E3 ubiquitin-protein ligase TRIM21; 52 kDa Ro protein; 52 kDa ribonucleoprotein autoantigen Ro/SS-A; RING finger protein 81; Ro(SS-A); Sjogren syndrome type A antigen; SS-A; Tripartite motif-containing protein 21
Gene Symbol	TRIM21
Entrez Gene	6737(Human)
SwissProt	P19474(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.

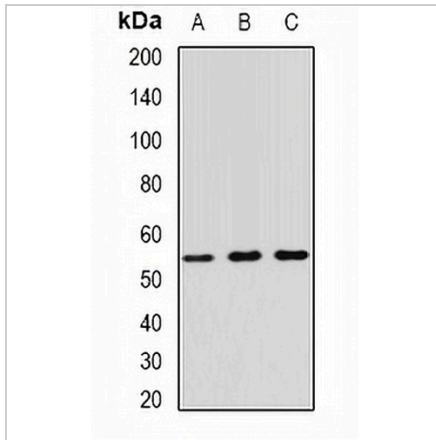
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

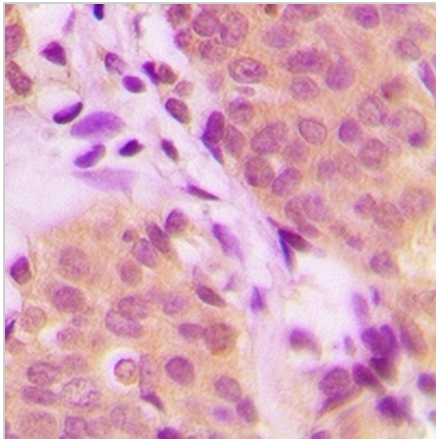
RNF81 Rabbit Polyclonal Antibody

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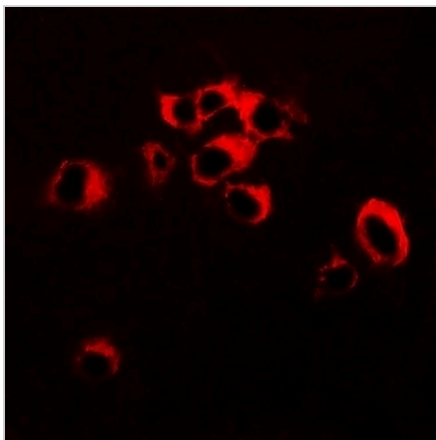
DATA



Western blot analysis of RNF81 expression in A549 (A), SW620 (B), HT29 (C) whole cell lysates. (Predicted band size: 45; 54 kD; Observed band size: 54 kD)



Immunohistochemical analysis of RNF81 staining in human breast 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.



Immunofluorescent analysis of RNF81 staining in SW620 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 DyLight 594-conjugated secondary antibody (red) 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.