

DATASHEET

RNF81 Mouse Monoclonal Antibody(C3418)

CAT. NO. AMA03030

KEY FEATURES

Target	RNF81	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.	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 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

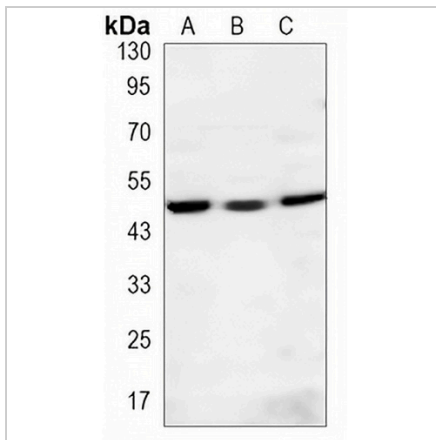
Description	Mouse monoclonal antibody to RNF81
Specificity	Recognizes endogenous levels of RNF81 protein.
Antibody Type	Primary antibody
Immunogen	Purified recombinant human TRIM21 protein fragments expressed in E.coli.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 54 kD; Observed: 50 kD
Form/Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
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.

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DATA

Western blot analysis of RNF81 expression in MCF7 (A), 293T (B), HeLa (C) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 50 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.