

DATASHEET

RING3 Rabbit Polyclonal Antibody

CAT. NO. APA15170

KEY FEATURES

Target	RING3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	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

Chromatin reader protein that specifically recognizes and binds histone H4 acetylated at 'Lys-5' and 'Lys-12' (H4K5ac and H4K12ac, respectively), thereby controlling gene expression and remodeling chromatin structures, thereby controlling gene expression and remodeling chromatin structures. Recruits transcription factors and coactivators to target gene sites, and activates RNA polymerase II machinery for transcriptional elongation. Plays a key role in genome compartmentalization via its association with CTCF and cohesin: recruited to chromatin by CTCF and promotes formation of topologically associating domains (TADs) via its ability to bind acetylated histones, contributing to CTCF boundary formation and enhancer insulation.

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

PRODUCT OVERVIEW

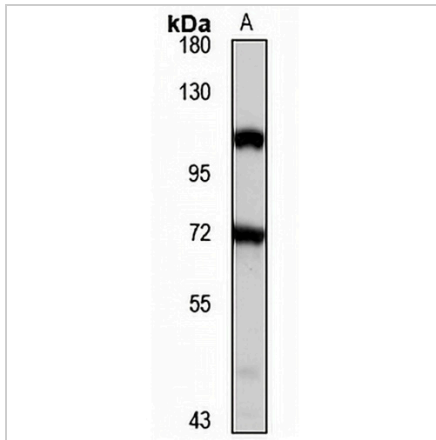
Description	Rabbit polyclonal antibody to RING3
Specificity	Recognizes endogenous levels of RING3 protein
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human RING3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 74; Observed: 110 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	KIAA9001; RING3; Bromodomain-containing protein 2; O27.1.1; Really interesting new gene 3 protein
Gene Symbol	BRD2
Entrez Gene	6046(Human); 14312(Mouse); 100909544; 294276(Rat)
SwissProt	P25440(Human); Q7JJ13(Mouse); Q6MGA9(Rat)

*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 RING3 expression in mouse brain (A) whole cell lysates.
(Predicted band size: 74; 83; 88; 92 kD; Observed band size: 110 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.