

DATASHEET

RING3 Mouse Monoclonal Antibody(C2561)

CAT. NO. AMA02173

KEY FEATURES

Target	RING3	Source / Host	Mouse
Reactivity	Human, Rat	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2b. Liquid in PBS, 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 - 1:1000
FC	1:100 - 1:200

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

PRODUCT OVERVIEW

Description	Mouse monoclonal to RING3
Specificity	Recognizes endogenous levels of RING3 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human RING3 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 88 kD; Observed: 88 kD
Form/Buffer	Mouse IgG2b. Liquid in PBS, 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); 100909544; 294276(Rat)
SwissProt	P25440(Human); 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.

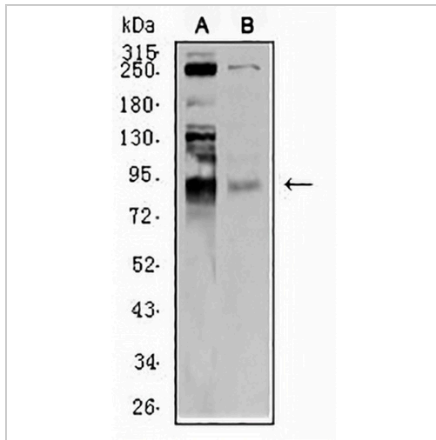
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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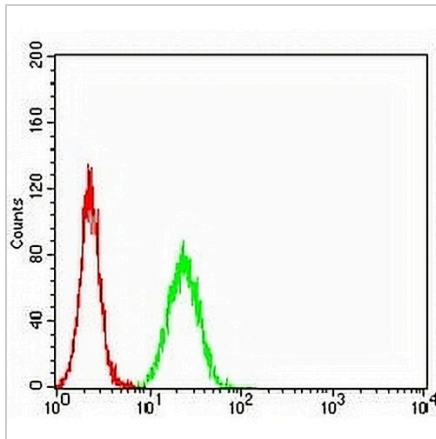
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Western blot analysis of RING3 expression in C6 (A), HeLa (B) whole cell lysates. (Predicted band size: 88 kD; Observed band size: 88 kD)



Flow cytometric analysis of HeLa cells using Anti-RING3 Antibody (green) and negative control (red).

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.