

DATASHEET

KIAA1967 Mouse Monoclonal Antibody(C3280)

CAT. NO. AMA02892

KEY FEATURES

Target	KIAA1967	Source / Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey	Clonality	Monoclonal
Applications	WB, IF/ICC, IP	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

Core component of the DBIRD complex, a multiprotein complex that acts at the interface between core mRNP particles and RNA polymerase II (RNAPII) and integrates transcript elongation with the regulation of alternative splicing: the DBIRD complex affects local transcript elongation rates and alternative splicing of a large set of exons embedded in (A + T)-rich DNA regions and integrates transcript elongation with the regulation of alternative splicing: the DBIRD complex affects local transcript elongation rates and alternative splicing of a large set of exons embedded in (A + T)-rich DNA regions . Inhibits SIRT1 deacetylase activity leading to increasing levels of p53/TP53 acetylation and p53-mediated apoptosis . Inhibits SUV39H1 methyltransferase activity .

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
IF/ICC	1:50 - 1:100
IP	1:10 - 1:50

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

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to KIAA1967
Specificity	Recognizes endogenous levels of KIAA1967 protein.
Antibody Type	Primary antibody
Immunogen	Purified recombinant human DBC1 protein fragments expressed in E.coli
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 103 kD; Observed: 130 kD
Form/Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Alternative Names	DBC1; KIAA1967; Cell cycle and apoptosis regulator protein 2; Cell division cycle and apoptosis regulator protein 2; DBIRD complex subunit KIAA1967; Deleted in breast cancer gene 1 protein; DBC-1; DBC.1; p30 DBC
Gene Symbol	CCAR2
Entrez Gene	57805(Human); 219158(Mouse)
SwissProt	Q8N163(Human); Q8VDP4(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

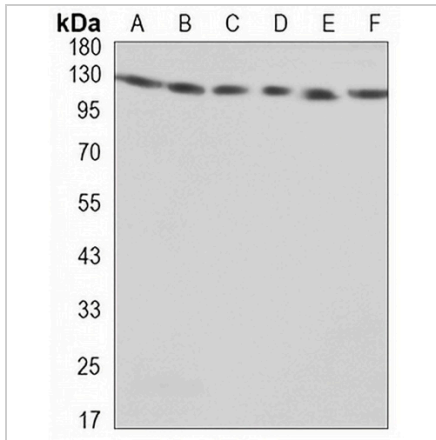
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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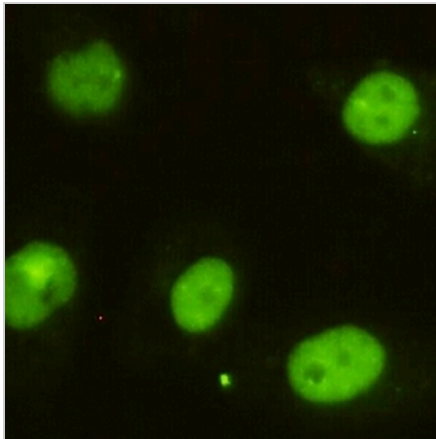
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Western blot analysis of KIAA1967 expression in HeLa (A), A549 (B), Jurkat (C), C6 (D), NIH3T3 (E), COS7 (F) whole cell lysates. (Predicted band size: 103 kD; Observed band size: 130 kD)



Immunofluorescent analysis of KIAA1967 staining in HeLa 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 AREX® Fluor 488 -conjugated secondary antibody (green) 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.