

DATASHEET

Histone H3 Mouse Monoclonal Antibody(C2739)

CAT. NO. AMA02351

KEY FEATURES

Target	Histone H3	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

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 Histone H3
Specificity	Recognizes endogenous levels of Histone H3 protein
Antibody Type	Primary antibody
Immunogen	Synthesized peptide of human Histone H3
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 15 kD; Observed: 14 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	H3F2; H3FM; Histone H3.2; Histone H3/m; Histone H3/o
Gene Symbol	HIST2H3A
Entrez Gene	126961; 333932; 653604(Human); 15077; 260423; 319148; 319149; 319150; 319151; 319154; 97114(Mouse)
SwissProt	Q71DI3(Human); P84228(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.

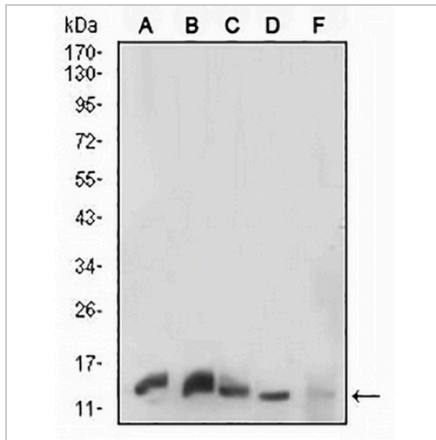
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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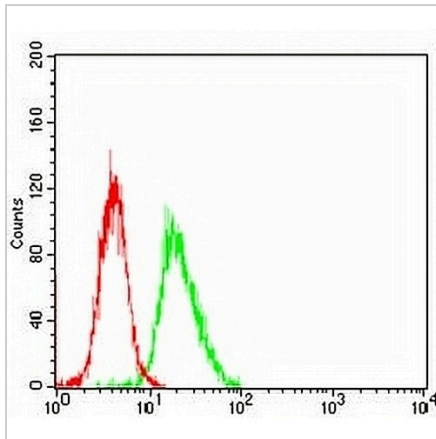
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Western blot analysis of Histone H3 expression in K562 (A), C6 (B), HEK293 (C), PC12 (D), NIH/3T3 (E) whole cell lysates. (Predicted band size: 15 kD; Observed band size: 14 kD)



Flow cytometric analysis of NIH/3T3 cells using Anti-Histone H3 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.