

**DATASHEET**

**Histone H4 (TriMethyl-K20) Mouse Monoclonal Antibody(C2738)**

CAT. NO. AMA02350

**KEY FEATURES**

Target	Histone H4 (TriMethyl-K20)	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 H4 (TriMethyl-K20)
Specificity	Recognizes endogenous levels of Histone H4 (TriMethyl-K20) protein
Antibody Type	Primary antibody
Immunogen	Synthesized peptide of human Histone H4 (TriMethyl-K20)
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 11 kD; Observed: 13 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	H4/A; Histone H4
Gene Symbol	HIST1H4A
Entrez Gene	8370(Human); 326619(Mouse); 679983(Rat)
SwissProt	P62805(Human); P62806(Mouse); P62804(Rat)

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

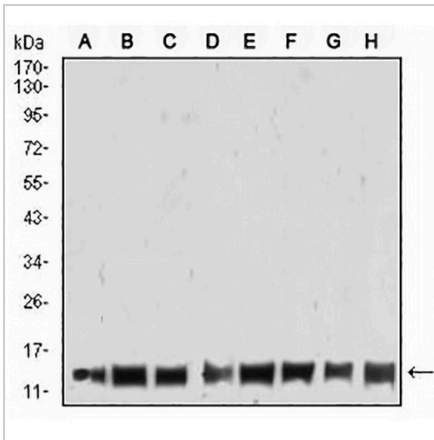
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

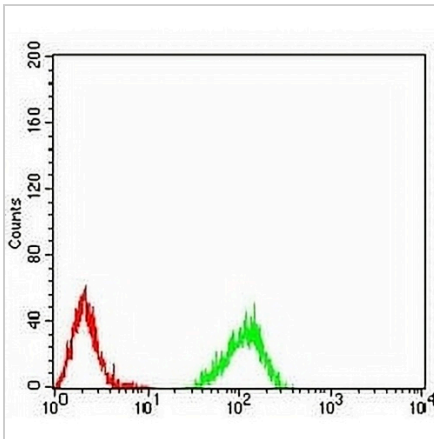
**Histone H4 (TriMethyl-K20) Mouse Monoclonal Antibody(C2738)**

CAT. NO. AMA02350

**DATA**



Western blot analysis of Histone H4 (TriMethyl-K20) expression in THP1 (A), Jurkat (B), K562 (C), NIT/3T3 (D), PC12 (E), HeLa (F), MCF7 (G), A431 (H) whole cell lysates. (Predicted band size: 11 kD; Observed band size: 13 kD)



Flow cytometric analysis of Raji cells using Anti-Histone H4 (TriMethyl-K20) 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.