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**Product Name: MonoMethyl-Histone H3 (Arg2) Rabbit Polyclonal Antibody****Catalog #: APRab00689**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Methylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification</b>	Affinity Chromatography

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 15 kDa; Observed MW: 15 kDa

**Antigen Information**

<b>Gene Name</b>	H3C1
<b>Alternative Names</b>	H3R2me; H3/j; H3C1; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FJ; H3C10; H3C11; HIST1H3J
<b>Gene ID</b>	8350
<b>SwissProt ID</b>	P68431
<b>Immunogen</b>	A synthetic Methylated peptide corresponding to residues target protein

**Background**

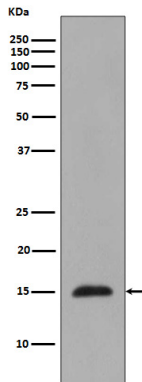
H3 Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA

repair, DNA replication and chromosomal stability.

## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of Histone H3 (mono methyl R2) in HeLa lysates using MonoMethyl-Histone H3 (Arg2) antibody.