

## MonoMethyl-Histone H3-R2 Monoclonal Antibody

CAB19645

### Description

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This MonoMethyl-Histone H3-R2 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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<b>SKU:</b>	CAB19645
<b>Contents:</b>	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Monoclonal Antibody
<b>Synonyms:</b>	H3/A, H3C2, H3C3, H3C4, H3C6, H3C7, H3C8, H3FA, H3C10, H3C11, H3C12, HIST1H3A, MonoMethyl-Histone H3-R2
<b>Clone:</b>	ARC0124
<b>Applications:</b>	<b>WB</b> <b>ELISA</b> <b>DB</b> <b>CUT&amp;Tag</b>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Human, Mouse, Rat, Other (Wide Range Predicted)

### Antibody Data

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<b>Gene ID:</b>	8290 8350
<b>Uniprot:</b>	AB_2862712
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	17 kDa
<b>Calculated MW:</b>	15 kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

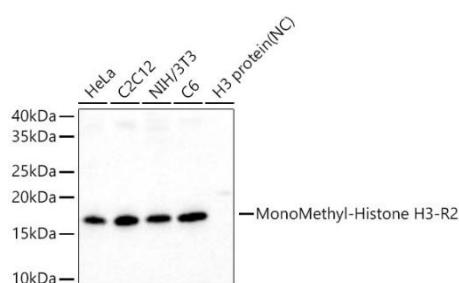
**Positive Sample:** HeLa, C2C12, NIH/3T3, C6

**Recommended Dilutions:**

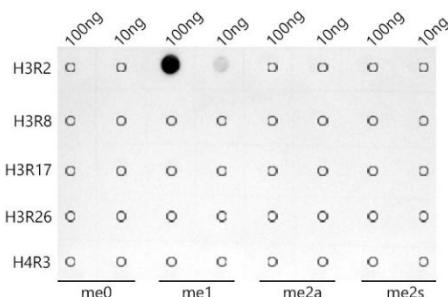
WB	1:500 - 1:1000
DB	1:500 - 1:1000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. CUT&Tag 10 <sup>5</sup> cells /1 µg

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data



Western blot analysis of various lysates using MonoMethyl-Histone - Rabbit mAb (CAB19645) at 1:1000 dilution incubated at room temperature for 1.5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Negative control (NC): protein. Exposure time: 60 s.



Dot-blot analysis of all sorts of peptides using MonoMethyl-Histone - antibody (CAB19645) at 1:1000 dilution.