

## MonoMethyl-Histone H3-K27 Antibody

CAB2361

### Description

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This MonoMethyl-Histone H3-K27 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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**SKU:** CAB2361

**Contents:** 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:** Polyclonal Antibody

**Synonyms:** H3/A, H3C2, H3C3, H3C4, H3C6, H3C7, H3C8, H3FA, H3C10, H3C11, H3C12, HIST1H3A, MonoMethyl-Histone H3-K27

**Clone:** -

**Applications:** WB IHC-P IF/ICC ChIP ELISA DB

**Conjugation:** Unconjugated

**Reactivity:** Human, Mouse, Rat, Other (Wide Range Predicted)

### Antibody Data

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**Gene ID:** 8290 8350

**Uniprot:** AB\_2764321

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 17 kDa

**Calculated MW:** 15 kDa

## Preparation & Storage

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

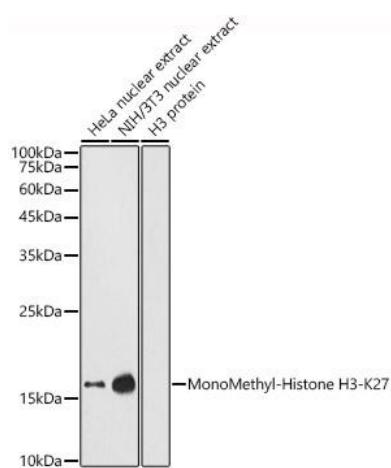
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** HeLa acid extract, NIH/3T3 acid extract

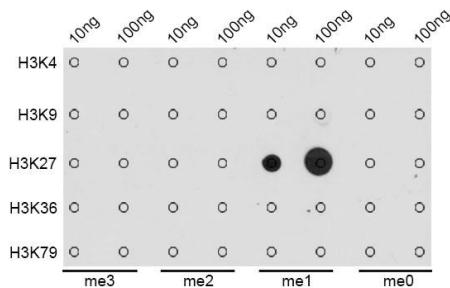
<b>Recommended Dilutions:</b>	<table border="1"> <tr> <td><b>WB</b></td><td>1:500 - 1:5000</td></tr> <tr> <td><b>IF/ICC</b></td><td>1:50 - 1:200</td></tr> <tr> <td><b>IHC-P</b></td><td>1:50 - 1:200</td></tr> <tr> <td><b>DB</b></td><td>1:500 - 1:2000 ChIP 5 µg antibody for 5 µg-10 µg of Chromatin</td></tr> <tr> <td><b>ELISA</b></td><td>Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.</td></tr> </table>	<b>WB</b>	1:500 - 1:5000	<b>IF/ICC</b>	1:50 - 1:200	<b>IHC-P</b>	1:50 - 1:200	<b>DB</b>	1:500 - 1:2000 ChIP 5 µg antibody for 5 µg-10 µg of Chromatin	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
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**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

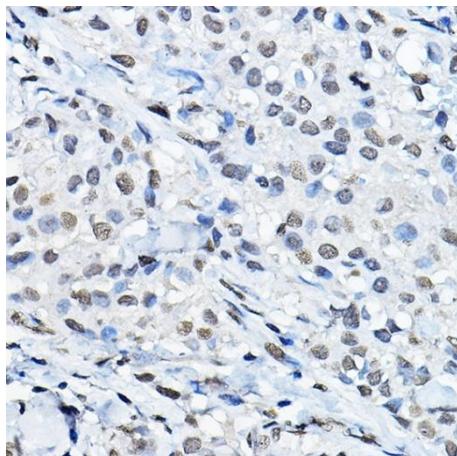
## Validation Data



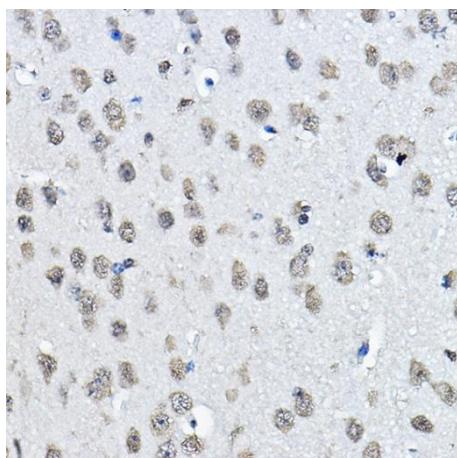
Western blot analysis of various lysates using MonoMethyl-Histone - Rabbit pAb (CAB2361) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (AbGn00021). Exposure time: 180s.



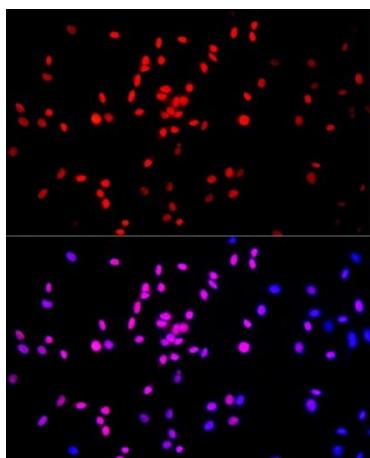
Dot-blot analysis of all sorts of methylation peptides using MonoMethyl-Histone - antibody (CAB2361).



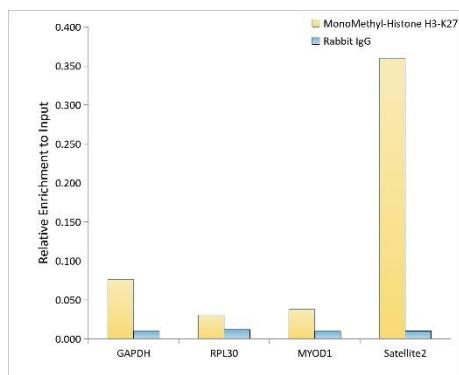
Immunohistochemistry analysis of paraffin-embedded Human breast cancer using MonoMethyl-Histone - Rabbit pAb (CAB2361) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using MonoMethyl-Histone - Rabbit pAb (CAB2361) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of PC-12 cells using MonoMethyl-Histone - Rabbit pAb (CAB2361) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Chromatin immunoprecipitation analysis of extracts of HeLa cells, using MonoMethyl-Histone - antibody (CAB2361) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.