

## TriMethyl-Histone H3-K14 Antibody

**CAB5279**

### Description

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This TriMethyl-Histone H3-K14 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>          | CAB5279   |
| <b>Contents:</b>     | 20 µL, 100 µL<br>Bradford Reagent: 1 vial (2ml)   |
| <b>Category:</b>     | Polyclonal Antibody   |
| <b>Synonyms:</b>     | H3t, H3.4, H3/g, H3FT, H3C16, HIST3H3, TriMethyl-Histone H3-K14   |
| <b>Clone:</b>        | -   |
| <b>Applications:</b> | <span style="background-color: red; color: white; padding: 2px 5px;">WB</span> <span style="background-color: #0072BC; color: white; padding: 2px 5px;">IF/ICC</span> <span style="background-color: #2ECC71; color: white; padding: 2px 5px;">ELISA</span> |
| <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_2766098            |
| <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 with 0.09% Sodium azide, 50% glycerol, pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

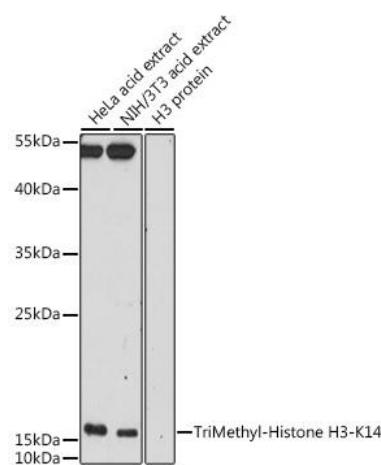
**Positive Sample:** HeLa, NIH/3T3

**Recommended Dilutions:**

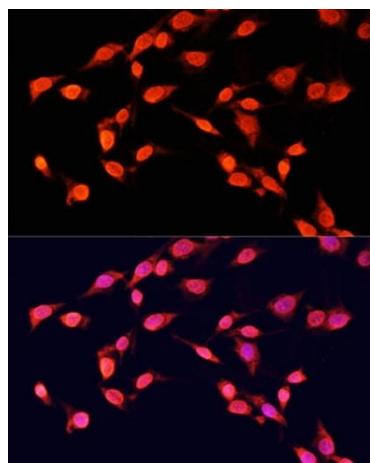
|               |   |
|---------------|---|
| <b>WB</b>     | 1:100 - 1:500   |
| <b>IF/ICC</b> | 1:50 - 1:200  |
| <b>ELISA</b>  | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

**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 TriMethyl-Histone - Rabbit pAb (CAB5279) at 1:500 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 Basic Kit (AbGn00020). Exposure time: 240s.



Immunofluorescence analysis of cells using TriMethyl-Histone - pAb (CAB5279) 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.

