

TriMethyl-Histone H3-K4 Antibody

CAB2357

Description

This TriMethyl-Histone H3-K4 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

SKU: CAB2357

Contents: 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

Category: Polyclonal Antibody

Synonyms: H3t, H3.4, H3/g, H3FT, H3C16, HIST3H3, TriMethyl-Histone H3-K4

Clone: -

Applications: WB IHC-P ChIP ChIP-seq ELISA DB

Conjugation: Unconjugated

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

Antibody Data

Gene ID: 8290 8350

Uniprot: AB_2631278

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.

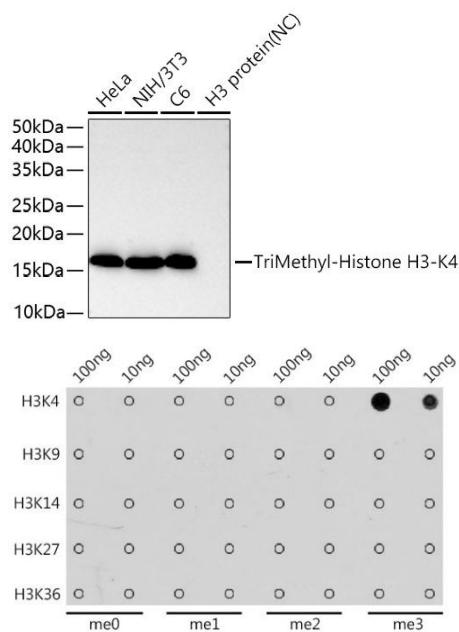
Positive Sample: HeLa, NIH/3T3, C6

Recommended Dilutions:

WB	1:40000 - 1:160000
DB	1:500 - 1:2000
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP 5µg antibody for 5µg-10µg of Chromatin ChIP-seq 1:20 - 1:100

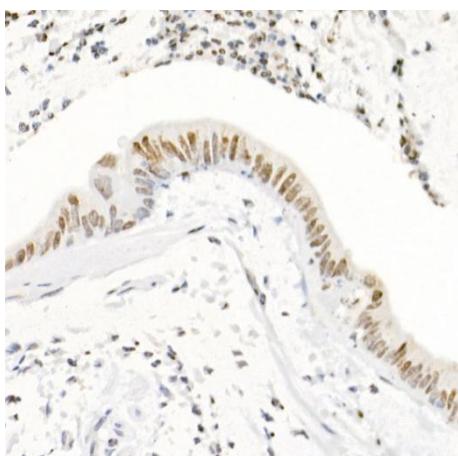
Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Validation Data

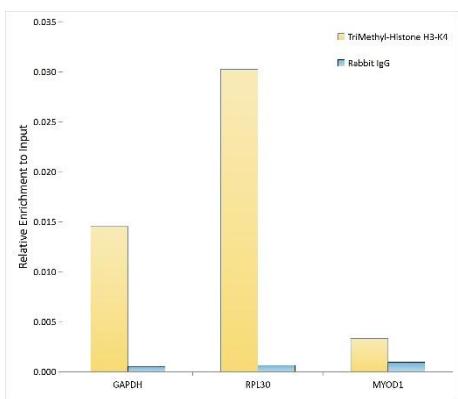


Western blot analysis of various lysates using TriMethyl-Histone - Rabbit pAb (CAB2357) at 1:80000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Negative control (NC): Recombinant protein(10 ng per lane). Exposure time: 30 s.

Dot-blot analysis of all sorts of methylation peptides using TriMethyl-Histone - antibody (CAB2357) at 1:1000 dilution.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using TriMethyl-Histone - Rabbit pAb (CAB2357) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Chromatin immunoprecipitation analysis of extracts of 293F cells, using TriMethyl-Histone - Rabbit pAb antibody (CAB2357) 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.