

DiMethyl-Histone H3-K79 Antibody

CAB2368

Description

This DiMethyl-Histone H3-K79 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:	CAB2368
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	H3t, H3.4, H3/g, H3FT, H3C16, HIST3H3, DiMethyl-Histone H3-K79
Clone:	-
Applications:	WB IHC-P IF/ICC IP ChIP ChIP-seq ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat, Other (Wide Range Predicted)

Antibody Data

Gene ID:	8290 8350
Uniprot:	AB_2736928
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.

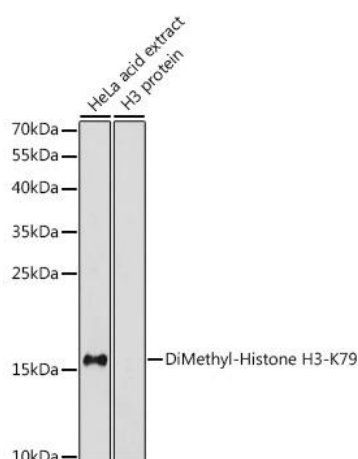
Positive Sample: HeLa

Recommended Dilutions:

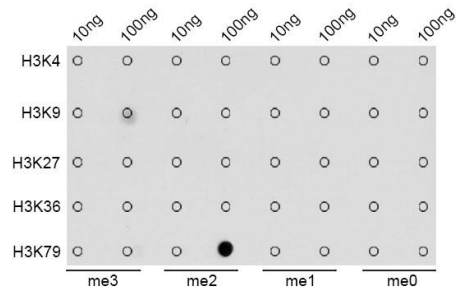
WB	1:500 - 1:1000
IHC-P	1:50 - 1:100
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP 5µg antibody for 5µg-10µg of Chromatin ChIP-seq 1:50 - 1:200

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

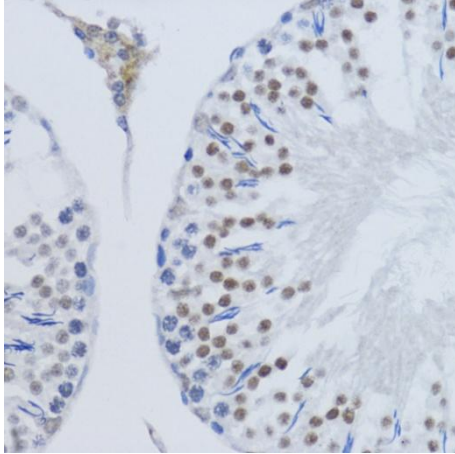
Validation Data



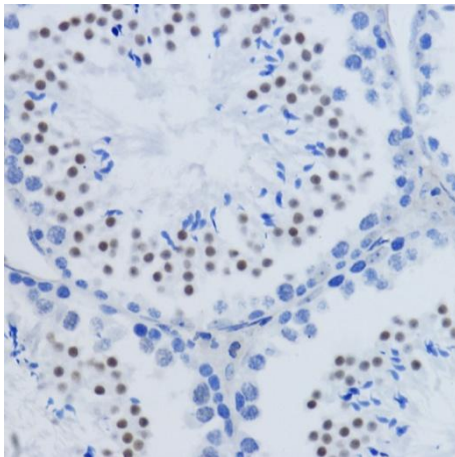
Western blot analysis of lysates from HeLa cells, using DiMethyl-Histone - Rabbit pAb (CAB2368) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.



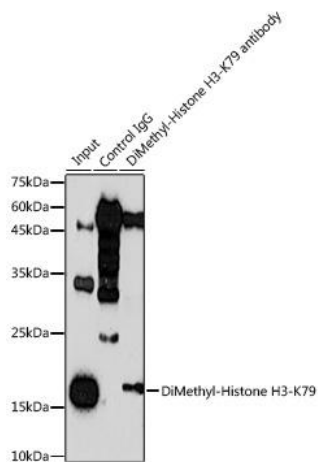
Dot-blot analysis of all sorts of methylation peptides using DiMethyl-Histone - antibody (CAB2368).



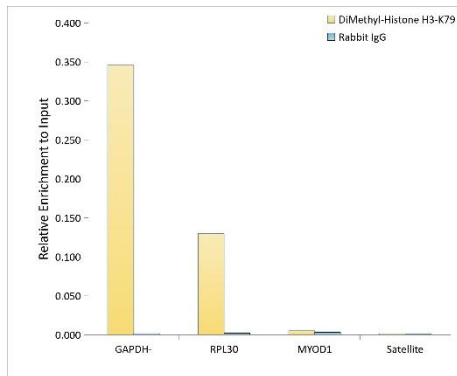
Immunohistochemistry analysis of paraffin-embedded Rat testis using DiMethyl-Histone - Rabbit pAb (CAB2368) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis using DiMethyl-Histone - Rabbit pAb (CAB2368) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg DiMethyl-Histone - antibody (CAB2368). Western blot was performed from the immunoprecipitate using DiMethyl-Histone - antibody (CAB2368) at a dilution of 1:1000.



Chromatin immunoprecipitation analysis of extracts of cells, using DiMethyl-Histone - antibody (CAB2368) 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.