

Histone H3 Antibody

CAB2352

Description

This Histone H3 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: CAB2352

Contents: 20 μ L, 100 μ L
Bradford Reagent: 1 vial (2ml)

Category: Polyclonal Antibody

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

Clone: -

Applications: **WB** **IHC-P** **IP** **ChIP** **ELISA**

Conjugation: Unconjugated

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

Antibody Data

Gene ID: 8290 8350

Uniprot: AB_2764312

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.

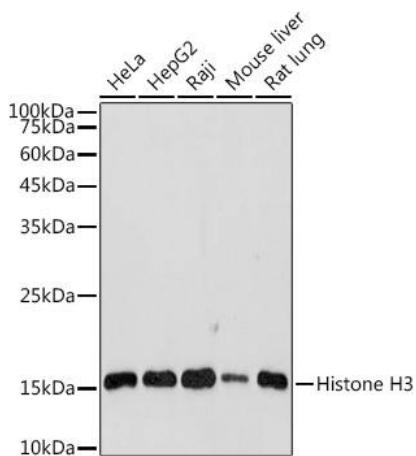
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: HeLa, HepG2, Raji, Mouse liver, Rat lung

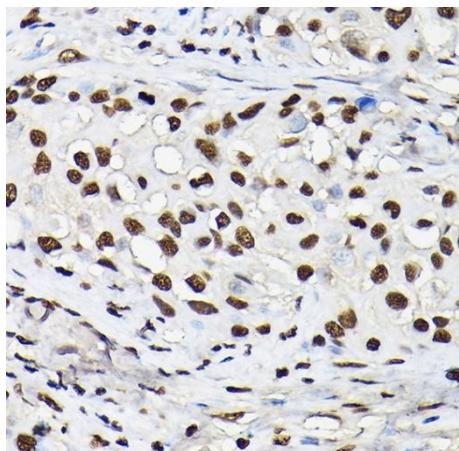
Recommended Dilutions:	<table border="1"> <tr> <td>WB</td><td>1:2000 - 1:10000</td></tr> <tr> <td>IHC-P</td><td>1:50 - 1:200</td></tr> <tr> <td>IP</td><td>0.5µg-4µg antibody for 200µg-400µg extracts of whole cells</td></tr> <tr> <td>ELISA</td><td>Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP 5µg antibody for 5µg-10µg of Chromatin</td></tr> </table>	WB	1:2000 - 1:10000	IHC-P	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
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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

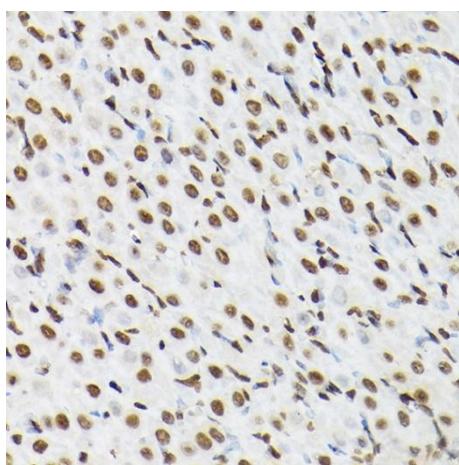
Validation Data



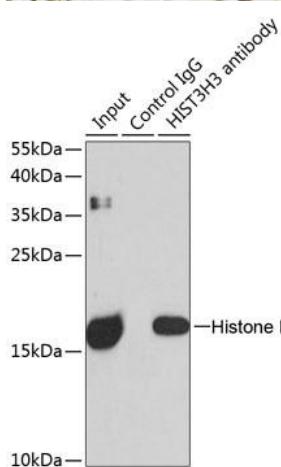
Western blot analysis of various lysates using Histone Rabbit pAb (CAB2352) at 1:10000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Histone Rabbit pAb (CAB2352) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat ovary using Histone Rabbit pAb (CAB2352) at dilution of 1:20 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunoprecipitation analysis of 150 µg extracts of cells using 3 µg Histone antibody (CAB2352). Western blot was performed from the immunoprecipitate using Histone antibody (CAB2352) at a dilution of 1:500.