

Histone H2A Monoclonal Antibody

CAB3692

Description

This Histone H2A Monoclonal 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:	CAB3692
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	H2A.1, H2A.2, H2A/a, H2AC4, H2AFA, HIST1H2AE, Histone H2A
Clone:	ARC2072
Applications:	WB IHC-P ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat, Other (Wide Range Predicted)

Antibody Data

Gene ID:	3012 8329
Uniprot:	AB_2863118
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	14 kDa
Calculated MW:	14 kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

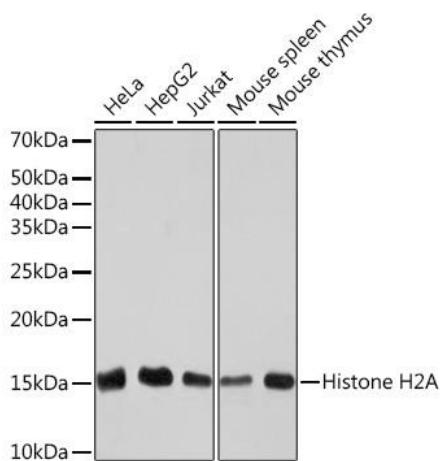
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: HeLa, Hep G2, Jurkat, Mouse spleen, Mouse thymus, Rat liver

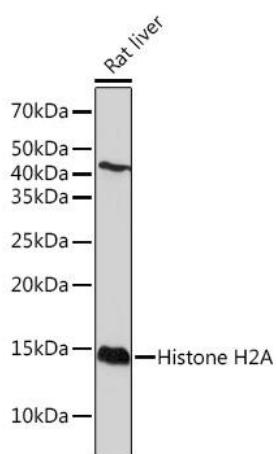
Recommended Dilutions:	WB	1:1000 - 1:6000
	IHC-P	1:200 - 1:2000
	ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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

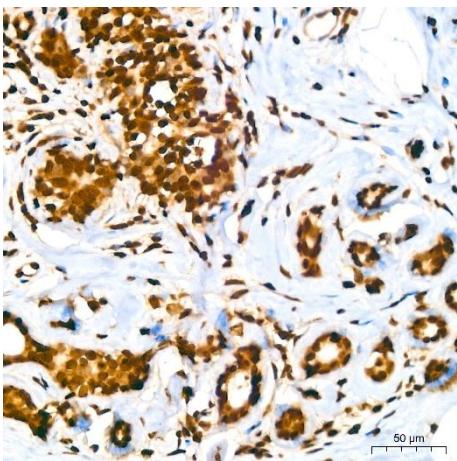
Validation Data



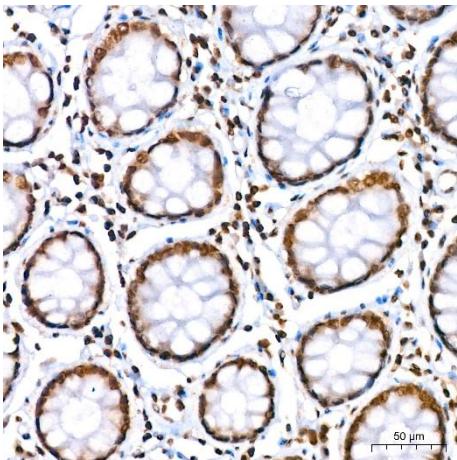
Western blot analysis of various lysates using Histone H2A Rabbit mAb (CAB3692) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



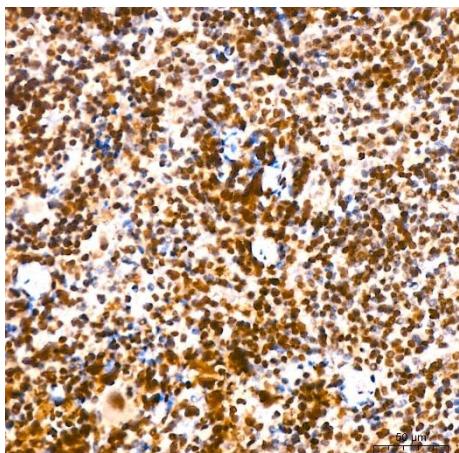
Western blot analysis of lysates from Rat liver, using Histone H2A Rabbit mAb (CAB3692) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3min.



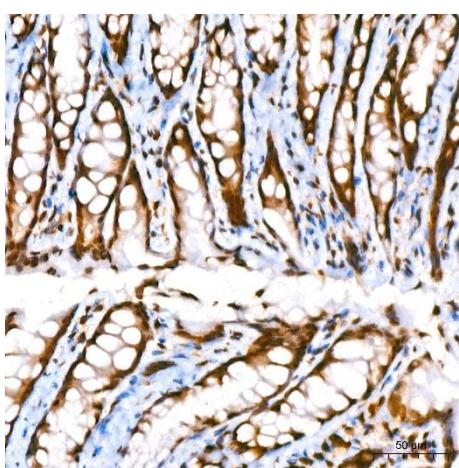
Immunohistochemistry analysis of paraffin-embedded Human breast using Histone H2A Rabbit mAb (CAB3692) at dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon using Histone H2A Rabbit mAb (CAB3692) at dilution of 1:400 (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 spleen using Histone H2A Rabbit mAb (CAB3692) at dilution of 1:400 (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 colon using Histone H2A Rabbit mAb (CAB3692) at dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.