abcam

ab52484

Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade

Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484) is a mouse monoclonal antibody detecting Histone H2B in **Western Blot, Flow Cytometry (Intra), IP, IHC-P, ICC/IF, ChIP**. Suitable for **Human, Mouse, Rat**.

- Over 40 publications
- Trusted since 2008

Recombinant

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	mAbcam 52484
Purification technique	Affinity purification Protein A
Concentration	0.968 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Human
Dilution info	1/20000
Notes	Perform heat-mediated antigen retrieval before commencing with IHC staining protocol.

Species	Mouse
Dilution info	1/50000
Notes	Perform heat-mediated antigen retrieval before commencing with IHC staining protocol.

Species	Rat
Dilution info	1/50000
Notes	Perform heat-mediated antigen retrieval before commencing with IHC staining protocol.

Predicted

Species	Chicken, Cow, Xenopus laevis, Caenorhabditis elegans, Drosophila melanogaster, Zebrafish, Orangutan
Dilution info	-
Notes	-

Not recommended

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

IP

Tested

Species	Human
Dilution info	1/30
Notes	-

Species	Mouse

Dilution info	1/50
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Chicken, Cow, Xenopus laevis, Caenorhabditis elegans, Drosophila melanogaster, Zebrafish, Orangutan
Dilution info	-
Notes	-

Not recommended

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

ChIP

Tested

Species	Human
Dilution info	2 µg for 25 µL chromatin
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Chicken, Cow, Xenopus laevis, Caenorhabditis elegans, Drosophila melanogaster, Zebrafish, Orangutan
Dilution info	-
Notes	-

Not recommended

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/100
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Species	Mouse
Dilution info	1/100
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Chicken, Cow, Xenopus laevis, Caenorhabditis elegans, Drosophila melanogaster, Zebrafish, Orangutan

Dilution info	-
Notes	-

Not recommended

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

Species	Mouse
Dilution info	1-5 µg/mL
Notes	-

Species	Rat
Dilution info	1/1000
Notes	-

Expected

Species	Recombinant full length protein - Human
Dilution info	1-5 µg/mL
Notes	-

Predicted

Species	Chicken, Cow, Xenopus laevis, Caenorhabditis elegans, Drosophila melanogaster, Zebrafish, Orangutan
Dilution info	-

Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/2000
Notes	-

Species	Mouse
Dilution info	1/2000
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Chicken, Cow, Xenopus laevis, Caenorhabditis elegans, Drosophila melanogaster, Zebrafish, Orangutan
Dilution info	-
Notes	-

Not recommended

Species	Recombinant full length protein - Human
Dilution info	-
Notes	-

Target data

See full target information H2BC3

Function	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What is this antibody validated in?
Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484) is a mouse recombinant monoclonal antibody and is validated for use in Western Blot (WB), Flow Cytometry (Intra), Immunoprecipitation (IP), Immunohistochemistry (IHC-P), Immunocytochemistry/immunofluorescence (ICC/IF), ChIP in Human, Mouse, Rat samples.

What is the molecular weight of Histone H2B?
Anti-Histone H2B [mAbcam 52484] - ChIP Grade (ab52484) specifically detects a band for Histone H2B (UniProt: P33778) at a molecular weight of 15kDa.

Trusted by the scientific community
Anti-Histone H2B [mAbcam 52484] - ChIP Grade (ab52484) was first used in a scientific publication in 2008 and has been cited over 40 times in peer-reviewed journals.

Reviewed by scientists
Anti-Histone H2B [mAbcam 52484] - ChIP Grade (ab52484) has over 10 independent reviews from customers.

Other related products
We have a range of other formats of antibody clone [mAbcam 52484] also available for your convenience: ab52484, Alexa Fluor® 647 - ab202567, Alexa Fluor® 488 - ab204258, HRP - ab204463, Carrier free - ab237964

Want a custom formulation?
This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

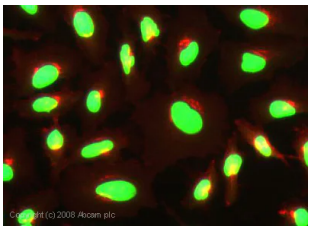
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

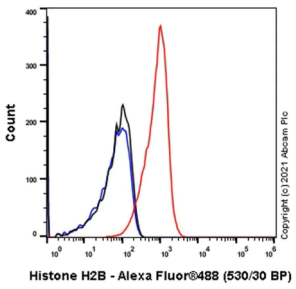
20 product images



Immunocytochemistry/ Immunofluorescence - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Histone H2B Immunocytochemistry/ Immunofluorescence staining using mouse Anti-Histone H2B antibody

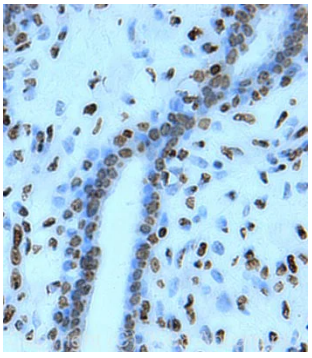
ICC/IF image of ab52484 stained human HeLa cells. The cells were 4% PFA fixed (10 min), permabilised in 0.1% PBS-Tween (20 min) and incubated with the antibody (ab52484, 1µg/ml) for 1h at room temperature. 1%BSA / 10% normal goat serum / 0.3M glycine was used to block non-specific protein-protein interactions. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red). DAPI was used to stain the cell nuclei (blue).



Flow Cytometry (Intracellular) - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Histone H2B Flow Cytometry (Intracellular) staining using mouse Anti-Histone H2B antibody

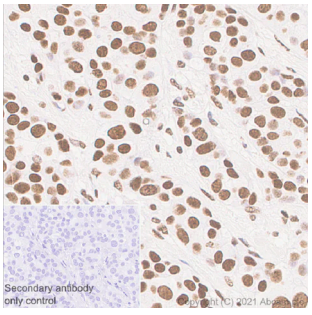
Flow cytometric analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labelling Histone H2B with ab52484 at 1/1000 dilution (0.1µg) (Red) compared with a Mouse monoclonal IgG (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti mouse IgG (Alexa Fluor® 488, ab150113) at 1/2000 dilution was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

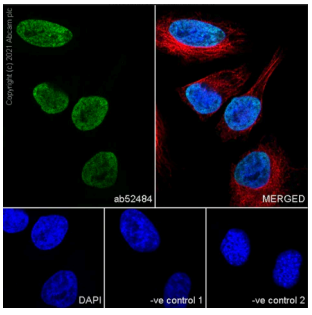
Histone H2B Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-Histone H2B antibody

IHC image of Histone H2B staining in human breast carcinoma FFPE section, performed on a Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab52484, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Nuclear staining in human breast cancer. The section was heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins. The section was incubated with ab52484 at 1:20000 (0.053 µg/ml) for 10 mins at room temperature, followed by anti-mouse IgG1 antibody (ab125913) for 8 mins during the LeicaDS9800 kit staining procedure. The immunostaining was performed on a Leica Biosystems BOND® RX instrument

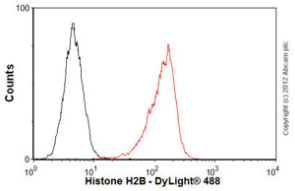


Immunocytochemistry/ Immunofluorescence - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Histone H2B Immunocytochemistry/ Immunofluorescence staining of HeLa cell line using mouse Anti-Histone H2B antibody

HeLa cells were fixed in 100% methanol and permeabilized with 0.1% Triton X-100. Primary antibody, ab52484 at 1:2000 was incubated overnight at 4° C, followed by AlexaFluor® 488-conjugated Goat anti-mouse secondary antibody (ab150117) at 1/1000 dilution at RT for 45 min.

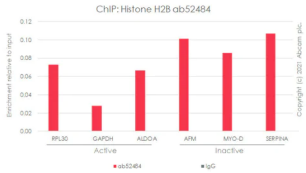
ab179513 Anti-beta Tubulin, used as a counterstain at 1/200 dilution, was co-incubated with ab52484 overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit secondary (ab150080) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI.



Flow Cytometry (Intracellular) - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

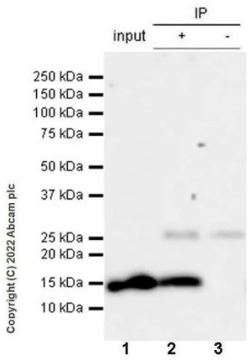
Histone H2B Flow Cytometry (Intracellular) staining using mouse Anti-Histone H2B antibody

Overlay histogram showing HeLa cells stained with ab52484 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab52484, 1µg/1x10^6 cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.



ChIP - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Chromatin was prepared from HeLa cells according to the Abcam X-ChIP protocol*. Cells were fixed with formaldehyde for 10min. The ChIP was performed with 25 µg of chromatin, 2 µg of ab52484 (red), or 2 µg of mouse IgG1 ab18443 (gray) and 25 µl of Protein A/G Dynabeads. The immunoprecipitated DNA was quantified by real time PCR (Sybr green approach).



Immunoprecipitation - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Histone H2B was immunoprecipitated from 0.35 mg HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate with ab52484 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab52484 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)(ab131366) was used at 1/5000 dilution. Lane 1: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate 10 ug Lane 2: ab52484 IP in HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate Lane 3: Mouse monoclonal IgG (ab18443) instead of ab52484 in HeLa whole cell lysate Blocking and dilution buffer and concentration: 5% NFDM/TBST. Exposure time: 32 seconds.
All lanes:
Immunoprecipitation - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484) at 1/30 dilution

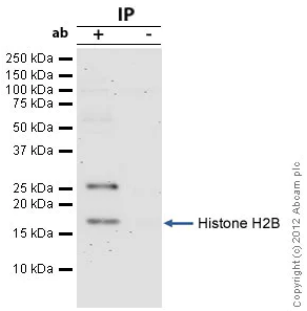
All lanes:
HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate

Secondary

All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution

Predicted band size: 14 kDa

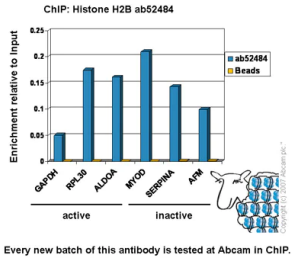
Observed band size: 15 kDa



Immunoprecipitation - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

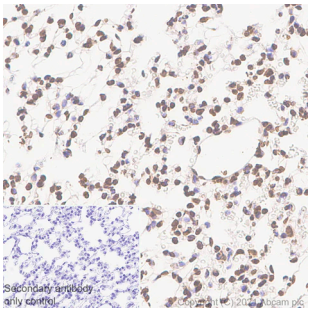
Histone H2B was immunoprecipitated using 0.5mg Hela whole cell extract, 5µg of Mouse monoclonal to Histone H2B and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).
The antibody was incubated under agitation with Protein G beads for 10min, Hela whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.
Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab52484.
Secondary: Protein G-HRP at 1/500 dilution.
Band: 17kDa; Histone H2B; non specific bands - 26kDa: We are unsure as to the identity of this extra band.
All lanes:
Immunoprecipitation - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Predicted band size: 14 kDa



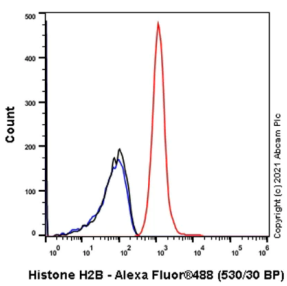
ChIP - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Chromatin was prepared from HeLa cells according to the Abcam X-ChIP protocol. Cells were fixed with formaldehyde for 10min. The ChIP was performed with 25µg of chromatin, 5µg of ab52484 (blue), and 20µl of Protein A/G sepharose beads. No antibody was added to the beads control (yellow). The immunoprecipitated DNA was quantified by real time PCR (Taqman approach). Primers and probes are located in the first kb of the transcribed region.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

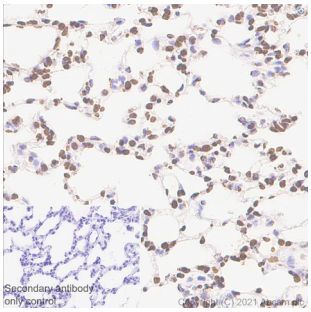
Nuclear staining in mouse lung. The section was heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins. The section was incubated with ab52484 (1:50000 (0.021 µg/ml)) for 10 mins at room temperature, followed by anti-mouse IgG1 antibody (ab125913) for 8 mins during the LeicaDS9800 kit staining procedure. The immunostaining was performed on a Leica Biosystems BOND® RX instrument



Flow Cytometry (Intracellular) - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

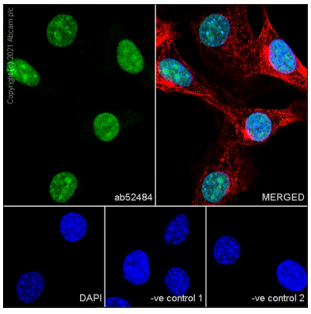
Histone H2B Flow Cytometry (Intracellular) staining using mouse Anti-Histone H2B antibody

Flow cytometric analysis of NIH/3T3 (mouse embryonic fibroblast) cells labelling Histone H2B with ab52484 at 1/100 dilution (1µg) (Red) compared with a Mouse monoclonal IgG (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). Goat anti mouse IgG (Alexa Fluor® 488, ab150113) at 1/2000 dilution was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Nuclear staining in rat lung. The section was heat mediated antigen retrieval with Citrate buffer (pH 6.0, epitope retrieval solution 1) for 20 mins. The section was incubated with ab52484 (1:50000 (0.021 µg/ml)) for 10 mins at room temperature, followed by anti-mouse IgG1 antibody (ab125913) for 8 mins during the LeicaDS9800 kit staining procedure. The immunostaining was performed on a Leica Biosystems BOND® RX instrument



Immunocytochemistry/ Immunofluorescence - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Histone H2B Immunocytochemistry/ Immunofluorescence staining of NIH/3T3 cells using mouse Anti-Histone H2B antibody

NIH/3T3 cells were fixed in 100% methanol and permeabilized with 0.1% Triton X-100. Primary antibody, ab52484 at 1:2000 was incubated overnight at 4° C, followed by AlexaFluor® 488-conjugated Goat anti-mouse secondary antibody (ab150117) at 1/1000 dilution at RT for 45 min. ab179513 Anti-beta Tubulin, used as a counterstain at 1/200 dilution, was co-incubated with ab52484 overnight at 4° C, followed by Alexa Fluor® 594 Goat Anti-Rabbit secondary (ab150080) at 1/1000 dilution at RT for 45 min. Nucleus were visualized using DAPI.



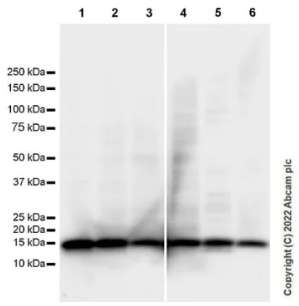
Immunoprecipitation - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Histone H2B was immunoprecipitated from 0.35 mg NIH/3T3 (mouse embryonic fibroblast), whole cell lysate with ab52484 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab52484 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP) (ab131366) was used at 1/5000 dilution. Lane 1: NIH/3T3 (mouse embryonic fibroblast), whole cell lysate 10 µg Lane 2: ab52484 IP in NIH/3T3 (mouse embryonic fibroblast), whole cell lysate 10 µg Lane 3: Mouse monoclonal IgG (ab18443) instead of ab52484 in NIH/3T3 whole cell lysate Blocking and dilution buffer and concentration: 5% NFDM/TBST. Exposure time: 32 seconds.
All lanes:
Immunoprecipitation - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484) at 1/30 dilution

All lanes:
NIH/3T3 (mouse embryonic fibroblast), whole cell lysate

Secondary

All lanes:
Immunoprecipitation - VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/5000 dilution



Western blot - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Histone H2B Western blot staining using mouse Anti-Histone H2B antibody

All lanes:
Western blot - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484) at 1/1000 dilution

Lane 1:
HeLa (human cervix adenocarcinoma epithelial cell), whole cell lysate at 20 µg

Lane 2:
293T (human embryonic kidney epithelial cell), whole cell lysate at 20 µg

Lane 3:
MEF (mouse embryonic fibroblast (immortalized)), whole cell lysate at 20 µg

Lane 4:
PC-12 (rat adrenal gland pheochromocytoma), whole cell lysate at 20 µg

Lane 5:
Human heart tissue lysate at 20 µg

Lane 6:
Mouse heart tissue lysate at 20 µg

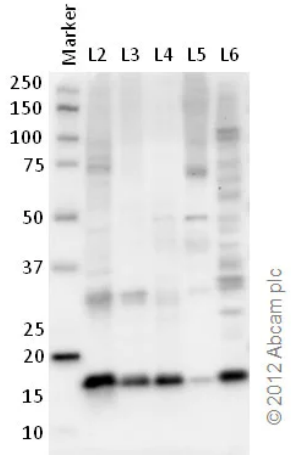
Secondary

All lanes:
Peroxidase-Conjugated Goat anti-Mouse IgG (H+L) at 1/5000 dilution

Predicted band size: 14 kDa

Observed band size: 15 kDa

Exposure time: 3.25s



Western blot - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Histone H2B Western blot staining using mouse Anti-Histone H2B antibody

This image was generated using a
previous batch manufactured using hybridoma production method
All lanes:
Western blot - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484) at 5 µg/mL

Lane 1:
Marker

Lane 2:
Zebrafish brain homogenate at 20 µg

Lane 3:
Zebrafish heart homogenate at 10 µg

Lane 4:
Zebrafish liver homogenate at 10 µg

Lane 5:
Zebrafish skeletal muscle homogenate at 10 µg

Lane 6:
HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate at 10 µg

Secondary

All lanes:
Goat polyclonal to Mouse IgG – H&L – Pre-Adsorbed (HRP) at 1/6000 dilution

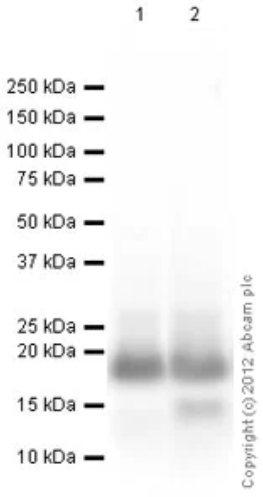
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 14 kDa

Observed band size: 17 kDa

Exposure time: 1min



Western blot - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Histone H2B Western blot staining using mouse Anti-Histone H2B antibody

All lanes:
Western blot - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484) at 1 µg/mL

Lane 1:
NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate at 10 µg

Lane 2:
PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Mouse IgG H&L (HRP) preadsorbed (ab97040) at 1/5000 dilution

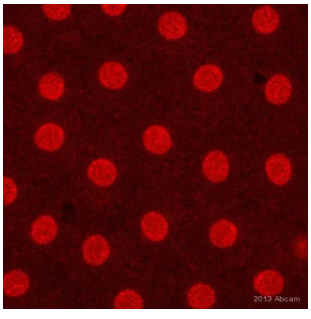
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 14 kDa

Observed band size: 17 kDa

Exposure time: 1min



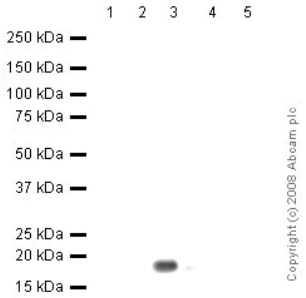
Immunocytochemistry/ Immunofluorescence - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Histone H2B Immunocytochemistry/ Immunofluorescence staining using mouse Anti-Histone H2B antibody

This image was generated using a previous batch manufactured using hybridoma production method.

This image is courtesy of an anonymous customer review

ab52484 staining Histone H2B in Fruit fly (Drosophila melanogaster) embryo cells by ICC/IF (Immunocytochemistry/immunofluorescence). Embryos were washed in 1x PBS + 0.1% Trition, cells were fixed with heat, and blocked with 10% BSA for 12 hours at 4°C. Samples were incubated with primary antibody (1/1000) for 24 hours. An Alexa Fluor®594-conjugated Rabbit anti-mouse IgG polyclonal (1/5000) was used as the secondary antibody.



Western blot - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484)

Histone H2B Western blot staining using mouse Anti-Histone H2B antibody

All lanes:
Western blot - Anti-Histone H2B antibody [mAbcam 52484] - ChIP Grade (ab52484) at 5 µg/mL

Lane 1:
Histone H1 recombinant protein at 0.1 µg

Lane 2:
Histone H2A recombinant protein at 0.1 µg

Lane 3:
Histone H2B recombinant protein at 0.1 µg

Lane 4:
Histone H3 recombinant protein at 0.1 µg

Lane 5:
Histone H4 recombinant protein at 0.1 µg

Secondary

All lanes:
Rabbit polyclonal to Mouse IgG - H&L (HRP) at 1/3000 dilution

Performed under reducing conditions.

Predicted band size: 14 kDa

Observed band size: 17 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.