abcam

ab309354

Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14]

Recombinant | RabMAb | Advanced Validation | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
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	EPR27303-14
Purification technique	Affinity purification Protein A
Concentration	0.457 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

PepArr

Tested

Species	Synthetic peptide
Dilution info	0.1 µg/mL

Notes	-

Expected

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

WB

Tested

Species	Human
Dilution info	1/1000
Notes	-

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Rat
Dilution info	1/1000
Notes	-

Not recommended

Species	Synthetic peptide
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/500
Notes	

Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Not recommended

Species	Mouse, Rat, Synthetic peptide
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/50
Notes	-

Species	Mouse
Dilution info	1/50
Notes	-

Expected

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

Not recommended

Species	Synthetic peptide
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/500
Notes	-

Species	Mouse
Dilution info	1/500
Notes	-

Expected

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

Not recommended

Species	Synthetic peptide
Dilution info	-
Notes	-

IP

Tested

Species	Human
Dilution info	1/30
Notes	-

Species	Mouse
Dilution info	1/30
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.

Notes	-

Not recommended

Species	Synthetic peptide
Dilution info	-
Notes	-

IHC-Fr

Tested

Species	Mouse
Dilution info	1/50
Notes	-

Species	Rat
Dilution info	1/50
Notes	-

Expected

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

Not recommended

Species	Synthetic peptide
Dilution info	-
Notes	-

Target data

See full target information H4C1 me2sR3

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	Conditional Ambient
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

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

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.

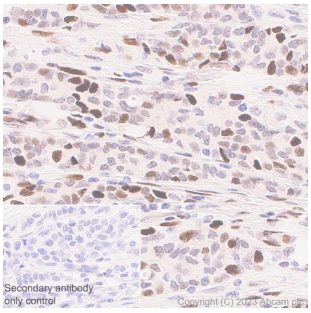
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

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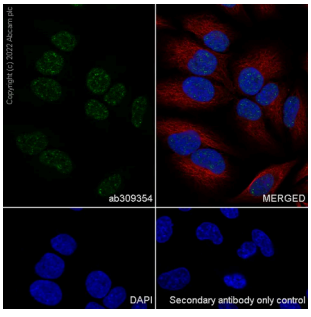
17 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue labeling Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) with ab309354 at 1/500 (0.914 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Nuclear staining on human breast cancer.The section was incubated with ab309354 for 30 mins at room temperature, incubate slides with 3% Hydrogen Peroxide for 10 mins at room temperature after secondary antibody incubation to reduce the background.The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins

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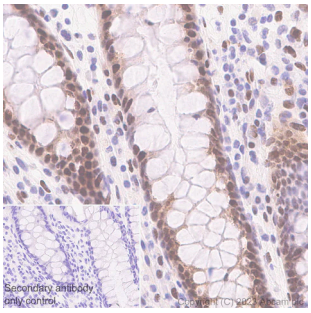


Immunocytochemistry/ Immunofluorescence - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Immunocytochemistry/ Immunofluorescence staining of HeLa (human cervix adenocarcinoma epithelial cell) using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

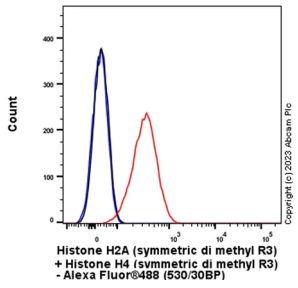
Immunofluorescent analysis of 100% methanol-fixed, 0.1% TritonX-100 permeabilized HeLa (human cervix adenocarcinoma epithelial cell) cells labelling Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) with ab309354 at 1/50 (9.14 ug/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 2 ug/ml dilution (Green). Confocal image showing nuclear staining in HeLa cell line.Image was taken with a

confocal microscope(Leica-Microsystems, TCS SP8). is observed. ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 2.5ug/ml dilution (Red). The Nuclear counterstain was DAPI (Blue). Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/ml dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

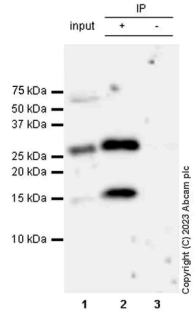
Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) with ab309354 at 1/500 (0.914 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Nuclear staining on human colon.The section was incubated with ab309354 for 30 mins at room temperature, incubate slides with 3% Hydrogen Peroxide for 10 mins at room temperature after secondary antibody incubation to reduce the background.The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 20 mins



Flow Cytometry (Intracellular) - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Flow Cytometry (Intracellular) staining of HeLa (human cervical adenocarcinoma epithelial cell) using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HeLa (human cervical adenocarcinoma epithelial cell) cells labelling Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) with ab309354 at 1/500 dilution (0.1 ug)/Red (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

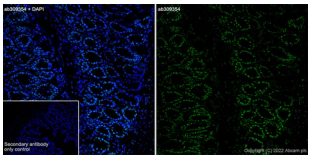
Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) was immunoprecipitated from 0.35 mg HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate with ab309354 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab309354 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 Lane 2: ab309354 IP in HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate Lane 3:Rabbit monoclonal IgG (ab172730) instead of ab309354 in HeLa whole cell lysate Blocking and dilution buffer and concentration: 5% NFDM/TBST. Exposure time: 180 seconds
All lanes:
Immunoprecipitation - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354) 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

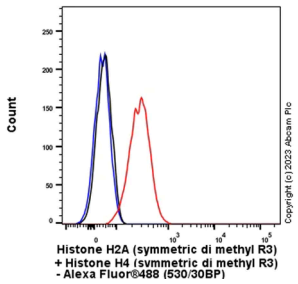
Exposure time: 180s



Immunohistochemistry (Frozen sections) - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Immunohistochemistry (Frozen sections) staining of Mouse colon (fresh) using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

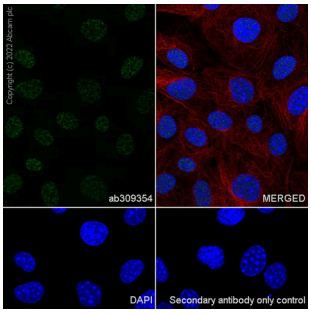
Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse colon (fresh) tissue labeling Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) with ab309354 at 1/50 (9.14 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green). Confocal image showing positive staining on mouse colon. The nuclear counterstain was DAPI (Blue). The section was incubated with ab309354 for 60 mins at room temperature. The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). is observed. The nuclear counterstain was DAPI (Blue). Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution. <\p> <\p>



Flow Cytometry (Intracellular) - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Flow Cytometry (Intracellular) staining of MEF (mouse embryo fibroblast) using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized MEF (mouse embryo fibroblast) cells labelling Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) with ab309354 at 1/500 dilution (0.1 ug)/Red (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.

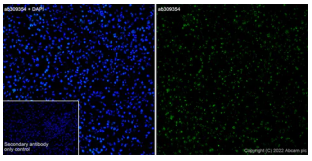


Immunocytochemistry/ Immunofluorescence - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Immunocytochemistry/ Immunofluorescence staining of MEF (mus musculus Embryo Fibroblast)

using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

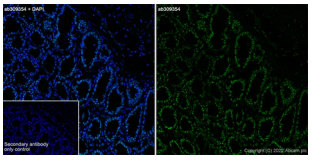
Immunofluorescent analysis of 100% methanol-fixed, 0.1% TritonX-100 permeabilized MEF (mus musculus Embryo Fibroblast) cells labelling Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) with ab309354 at 1/50 (9.14 ug/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 2 ug/ml dilution (Green). Confocal image showing nuclear staining in MEF cell line.Image was taken with a confocal microscope(Leica-Microsystems, TCS SP8). is observed. ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 2.5ug/ml dilution (Red). The Nuclear counterstain was DAPI (Blue). Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/ml dilution.



Immunohistochemistry (Frozen sections) - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Immunohistochemistry (Frozen sections) staining of Mouse pancreas (fresh) using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

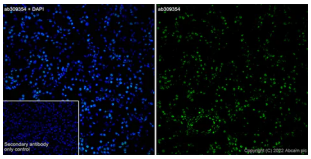
Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse pancreas (fresh) tissue labeling Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) with ab309354 at 1/50 (9.14 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green). Confocal image showing positive staining on mouse pancreas. The nuclear counterstain was DAPI (Blue). The section was incubated with ab309354 for 60 mins at room temperature. The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). is observed. The nuclear counterstain was DAPI (Blue). Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution. <\p> <\p>



Immunohistochemistry (Frozen sections) - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Immunohistochemistry (Frozen sections) staining of Rat colon (fresh) using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

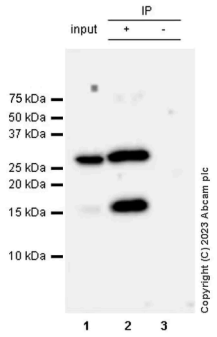
Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat colon (fresh) tissue labeling Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) with ab309354 at 1/50 (9.14 ug/ml) dilution followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/mL dilution (Green). Confocal image showing positive staining on rat colon. The nuclear counterstain was DAPI (Blue). The section was incubated with ab309354 for 60 mins at room temperature. The section was then mounted using Fluoromount®.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). is observed. The nuclear counterstain was DAPI (Blue). Secondary antibody control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbedat 1/1000 2 ug/mL dilution. <\p> <\p>



Immunohistochemistry (Frozen sections) - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Immunohistochemistry (Frozen sections) staining of Rat pancreas (fresh) using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

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Immunoprecipitation - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

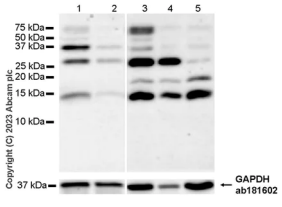
Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) was immunoprecipitated from 0.35 mg MEF (mouse embryonic fibroblast (immortalized)) whole cell lysate with ab309354 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab309354 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP) (ab131366) was used at 1/5000 dilution. Lane 1: MEF (mouse embryonic fibroblast (immortalized)) whole cell lysate Lane 2: ab309354 IP in MEF (mouse embryonic fibroblast (immortalized)) whole cell lysate Lane 3:Rabbit monoclonal IgG (ab172730) instead of ab309354 in MEF whole cell lysate Blocking and dilution buffer and concentration: 5% NFDM/TBST. Exposure time: 180 seconds
All lanes:
Immunoprecipitation - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354) at 1/30 dilution

All lanes:
MEF (mouse embryonic fibroblast (immortalized)) whole cell lysate

Secondary

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

Exposure time: 180s



Western blot - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Western blot staining using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The expression of Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) is downregulated in response to EPZ015666 treatment (PMID: 31249870).

In Western blot, anti-GAPDH antibody (ab181602) loading control staining at 1/200000 dilution.

This blot was developed using a high sensitivity ECL substrate. The high-sensitivity ECL substrate used allows for the detection of proteins in the mid-femtogram range.
All lanes:
Western blot - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354) at 1/1000 dilution

Lane 1:
Untreated U-2 OS (human bone osteosarcoma epithelial cell) whole cell lysate at 20 µg

Lane 2:
U-2 OS treated with 5 uM EPZ015666 for 72 hours whole cell lysate at 20 µg

Lane 3:
HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate at 20 µg

Lane 4:
MEF (mouse embryonic fibroblast (immortalized)) whole cell lysate at 20 µg

Lane 5:
C6 (rat glial tumor glial cell) whole cell lysate at 20 µg

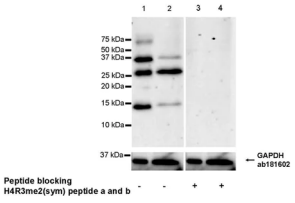
Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Developed using the ECL technique.

Observed band size: 15 kDa

Exposure time: 180s



Western blot - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Western blot staining using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.
This blot was developed using a high sensitivity ECL substrate. The high-sensitivity ECL substrate used allows for the detection of proteins in the mid-femtogram range.

In Western blot, anti-GAPDH antibody (ab181602) loading control staining at 1/200000 dilution.

All lanes:
Western blot - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354) at 1/1000 dilution

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

Lane 2:
NIH/3T3 (mouse embryonic fibroblast) histone lysate at 20 µg

Lanes 3 - 4:

NIH/3T3 (mouse embryonic fibroblast) histone lysate

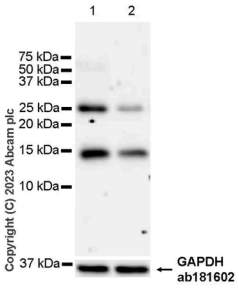
Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Developed using the ECL technique.

Observed band size: 15 kDa

Exposure time: 180s



Western blot - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Western blot staining using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST The expression of Histone H2A (symmetric di methyl R3) + Histone H4 (symmetric di methyl R3) is downregulated in response to EPZ015666 treatment (PMID: 31249870). In Western blot, anti-GAPDH antibody (ab181602) loading control staining at 1/200000 dilution. Exposure time: 180 seconds
All lanes:
Western blot - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354) at 1/1000 dilution

Lane 1:
Untreated HCT116 (human colorectal carcinoma epithelial cell) whole cell lysate at 20 µg

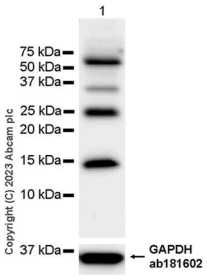
Lane 2:
HCT116 treated with 5 uM EPZ015666 for 72 hours whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 15 kDa

Exposure time: 180s



Western blot - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) Western blot staining of Mouse colon tissue lysate using rabbit Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST In Western blot, anti-GAPDH antibody (ab181602) loading control staining at 1/200000 dilution. Exposure time: 103 seconds
All lanes:
Western blot - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354) at 1/1000 dilution

All lanes:

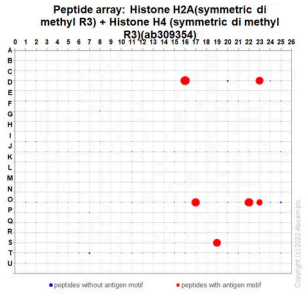
Mouse colon tissue lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 15 kDa

Exposure time: 103s



Peptide Array - Anti-Histone H2A (symmetric di methyl R3)+Histone H4 (symmetric di methyl R3) antibody [EPR27303-14] (ab309354)

Peptide array analysis of ab309354 at 0.1ug/ml (0.1 ug/ml) followed by a Goat Anti-Rabbit IgG (H+L) Fluo 647nm conjugated at 1:50000 dilution. ab309354 was tested in Peptide Array against 501 different modified and unmodified histone peptides; each peptide is printed on the array at six concentrations (each in triplicate).Circle area represents affinity between the antibody and a peptide: all antigen-containing peptides are displayed as red circles all other peptides as blue circles. The affinity is calculated as the area under the curve when antibody binding values are plotted against the corresponding peptide concentration. Each circle area is normalized to the peptide with the strongest affinity. The complete dataset, including full list of all peptides and information on the position of each peptide in the diagram, is available under the Product Protocol section.

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