

Histone H3 Loading Control Antibody , Mouse MAb



Catalog Number: 100005-MM01

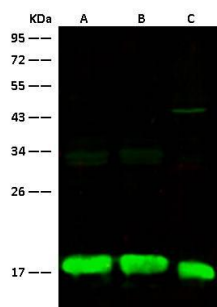
GENERAL INFORMATION	
Immunogen:	A synthetic peptide corresponding to the C-terminus of the human Histone H3.
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with a synthetic peptide corresponding to the C-terminus of the human Histone H3. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Ig Type:	Mouse IgG2b
Clone ID:	1F6D7C4
Specificity:	Human, Mouse, Rat
Formulation:	0.2 µm filtered solution in PBS
Storage:	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.
APPLICATIONS	
Applications:	WB,IHC-P
RECOMMENDED CONCENTRATION	
Western Blot	WB: 1/1000-1/100000
IHC-P	IHC-P: 1/50-1/1000

Please Note: Optimal concentrations/dilutions should be determined by the end user.

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Anti-Histone H3 mouse monoclonal antibody at 1:2000 dilution

Lane A: HeLa Whole Cell Lysate
Lane B: Jurkat Whole Cell Lysate
Lane C: 293 Whole Cell Lysate

Lysates/proteins at 30 µg per lane.

Secondary

Goat Anti-Mouse IgG H&L (Dylight800) at 1/7500 dilution.

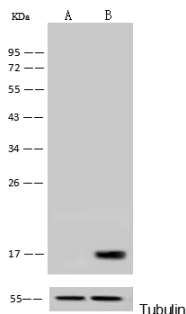
Developed using the Odyssey technique.

Performed under reducing conditions.

Predicted band size: 18 kDa

Observed band size: 18 kDa

(Validation Experiment)



Anti-Histone H3 mouse monoclonal antibody at 1:1000 dilution

Lane A: Histone H3 knockout HeLa Whole Cell Lysate
Lane B: HeLa Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

Goat Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution.

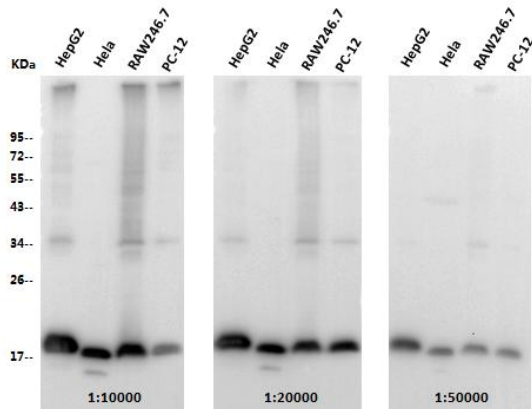
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 18 kDa

Observed band size: 18 kDa

(Validation Experiment)



Anti-Histone H3 mouse monoclonal antibody at 1:10000, 1:20000, 1:50000 dilution

Lysates/proteins at 30 µg per lane.

Secondary

Rabbit Anti-Mouse IgG F(ab)2/HRP at 1/10000 dilution.

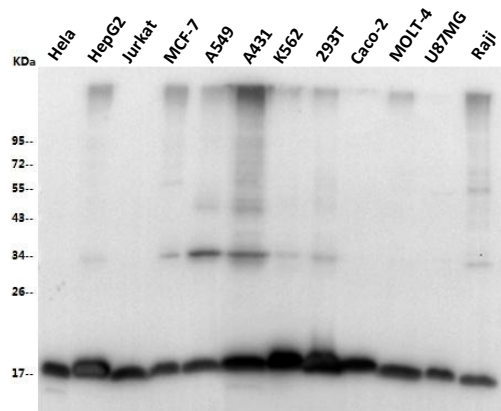
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 18 kDa

Observed band size: 18 kDa

(Validation Experiment)



Anti-Histone H3 mouse monoclonal antibody at 1:20000 dilution

Lysates/proteins at 30 µg per lane.

Secondary

Rabbit Anti-Mouse IgG F(ab)2/HRP at 1/10000 dilution.

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 18 kDa

Observed band size: 18 kDa

(Validation Experiment)

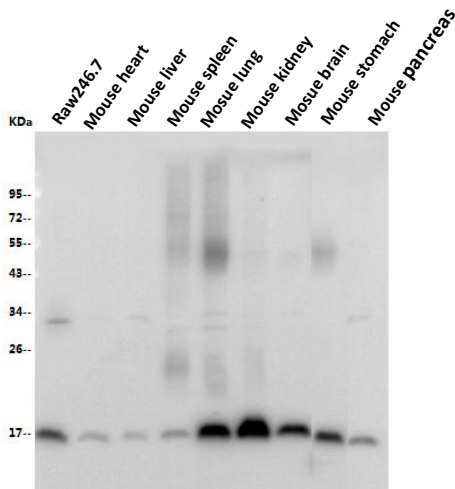
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Anti-Histone H3 mouse monoclonal antibody at 1:20000 dilution

Lysates/proteins at 30 µg per lane.

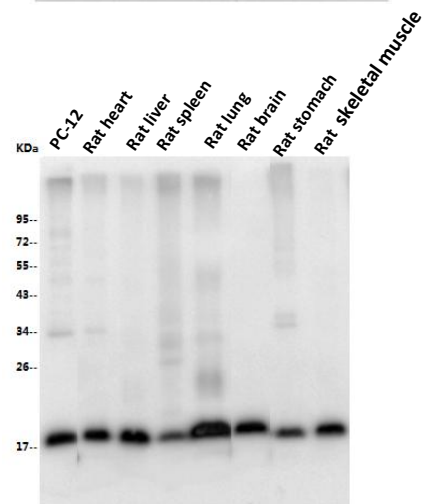
Secondary

Rabbit Anti-Mouse IgG F(ab)2/HRP at 1/10000 dilution.

Developed using the ECL technique.
Performed under reducing conditions.

Predicted band size: 18 kDa
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(Validation Experiment)



Anti-Histone H3 mouse monoclonal antibody at 1:20000 dilution

Lysates/proteins at 30 µg per lane.

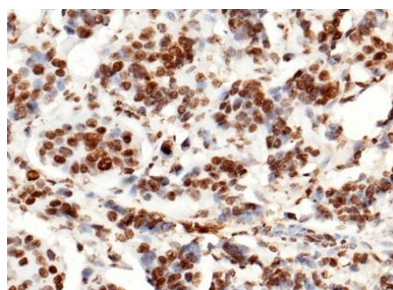
Secondary

Rabbit Anti-Mouse IgG F(ab)2/HRP at 1/10000 dilution.

Developed using the ECL technique.
Performed under reducing conditions.

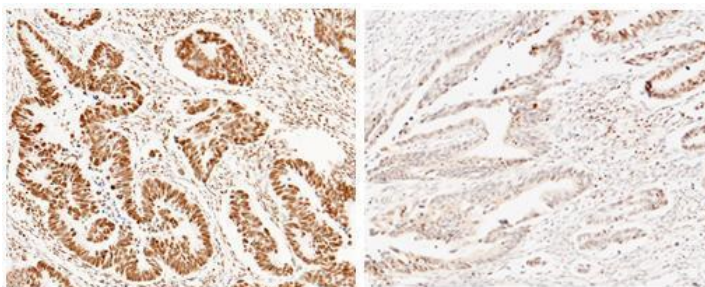
Predicted band size: 18 kDa
Observed band size: 18 kDa

(Validation Experiment)



Immunohistochemical staining of human histone H3 in human mammary gland with mouse monoclonal antibody (formalin-fixed paraffin embedded sections). Positive staining was localized to nucleus.

(Validation Experiment)



Histone H3 Antibody +

Histone H3 Antigen -

Immunohistochemical staining of human histone H3 in human colon carcinoma with mouse monoclonal antibody (formalin-fixed paraffin embedded sections). Positive staining was localized to nucleus.

The left panel: tissue incubated with primary antibody;

The right panel: tissue incubated with the mixture of primary antibody and antigen (polypeptide).

(Validation Experiment)

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