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Anti-Histone H3 (acetyl K9) Rabbit Monoclonal Antibody

Catalog Number: M12477-24

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Overview

Product Name	Anti-Histone H3 (acetyl K9) Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Histone H3 (acetyl K9) Rabbit Monoclonal Antibody catalog # M12477-24. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal 32H22
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P68431

Technical Details

Immunogen	A synthesized peptide derived from human Histone H3 (acetyl K9)
Isotype	IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000

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	IHC 1:50-200 ICC/IF 1:50-200

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Anti-Histone H3 (acetyl K9) Rabbit Monoclonal Antibody (M12477-24) Images

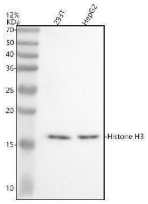


Figure 1. Western blot analysis of Histone H3 (acetyl K9) using anti-Histone H3 (acetyl K9) antibody (M12477-24). Electrophoresis was performed on a 12% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human 293T whole cell lysates, Lane 2: human HepG2 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Histone H3 (acetyl K9) antigen affinity purified monoclonal antibody (M12477-24) at a dilution of 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for Histone H3 (acetyl K9) at approximately 17 kDa. The expected band size for Histone H3 (acetyl K9) is at 15 kDa.

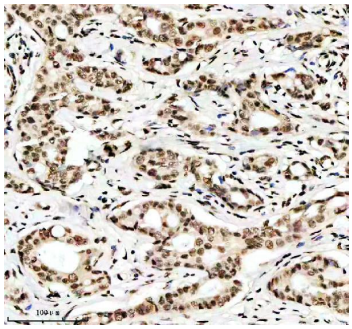


Figure 2. IHC analysis of Histone H3 (acetyl K9) using anti-Histone H3 (acetyl K9) antibody (M12477-24). Histone H3 (acetyl K9) was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with a dilution of 1:50 rabbit anti-Histone H3 (acetyl K9) Antibody (M12477-24) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

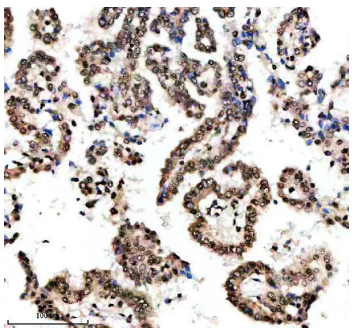


Figure 3. IHC analysis of Histone H3 (acetyl K9) using anti-Histone H3 (acetyl K9) antibody (M12477-24). Histone H3 (acetyl K9) was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with a dilution of 1:50 rabbit anti-Histone H3 (acetyl K9) Antibody (M12477-24) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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