

## Anti-Methyl-Histone H3 (di K4) HIST1H3A Rabbit Monoclonal Antibody

Catalog Number: M12477-1

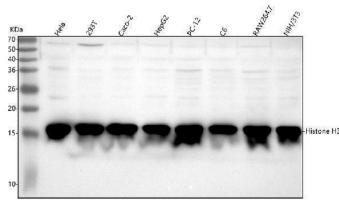
### Overview

Product Name	Anti-Methyl-Histone H3 (di K4) HIST1H3A Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Methyl-Histone H3 (di K4) HIST1H3A Rabbit Monoclonal Antibody catalog # M12477-1. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal AFF-8
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

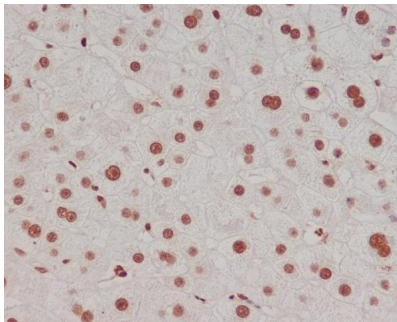
### Technical Details

Immunogen	A synthesized peptide derived from human Methyl-Histone H3 (di K4)
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:1000-5000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:50 FC 1:50

## Anti-Methyl-Histone H3 (di K4) HIST1H3A Rabbit Monoclonal Antibody (M12477-1) Images



Western blot analysis of Methyl-Histone H3 (di K4) using anti-Methyl-Histone H3 (di K4) antibody (M12477-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human CACO-2 whole cell lysates, Lane 4: human HepG2 whole cell lysates, Lane 5: rat PC-12 whole cell lysates, Lane 6: rat C6 whole cell lysates, Lane 7: mouse RAW264.7 whole cell lysates, Lane 8: mouse NIH/3T3 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-Methyl-Histone H3 (di K4) antigen affinity purified monoclonal antibody (Catalog # M12477-1) at 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 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Methyl-Histone H3 (di K4) at approximately 15 kDa. The expected band size for Methyl-Histone H3 (di K4) is at 15 kDa.



Immunohistochemical analysis of paraffin-embedded human liver, using Methyl-Histone H3 (di K4) Antibody(M12477-1)HIST1H3A was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-HIST1H3A Antibody (M12477-1)overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

## 2 Publications Citing This Product

1. PubMed ID: 15052685, Antiproliferative and proapoptotic effects of somatostatin on activated hepatic stellate cells
2. PubMed ID: 24503896, Role of endoplasmic reticulum stress in apoptosis of differentiated mouse podocytes induced by high glucose

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