

Anti-Histone H3 (acetyl K27) Rabbit Monoclonal Antibody

Catalog Number: M12477-15

About H3C1/H3-3A/H3-4/H3-5/H3C15

Putative transcription factor involved in pancreas development and function.

Overview

Product Name	Anti-Histone H3 (acetyl K27) Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Histone H3 (acetyl K27) Rabbit Monoclonal Antibody catalog # M12477-15. Tested in WB, IHC, ICC/IF, ChIP applications. This antibody reacts with Human, Mouse, Rat.
Application	ChIP, IF, IHC, ICC, WB
Clonality	Monoclonal 26H47
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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/P84243/Q16695/Q6NXT2/Q71DI3

Technical Details

Immunogen	A synthesized peptide derived from Histone H3 (acetyl K27)
Isotype	IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200</p>

	ChIP 1:50
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Anti-Histone H3 (acetyl K27) Rabbit Monoclonal Antibody (M12477-15) Images

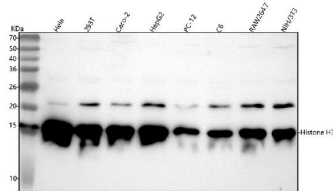


Figure 1. Western blot analysis of Histone H3 using anti-Histone H3 antibody (M12477-15).

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-Histone H3 antigen affinity purified monoclonal antibody (Catalog # M12477-15) 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 Histone H3 at approximately 15 kDa. The expected band size for Histone H3 is at 15 kDa.

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