

Anti-Histone H3 Rabbit pAb



WL0984a

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Histone H3 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:500-1:1000
	IHC	1:100-1:300
Cellular localization	Nucleus. Chromosome	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Histone proteins are known to stabilize and regulate the nuclear DNA, that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). Over 80% of nucleosomes contain the linker Histone H1, derived from an intronless gene, that interacts with linker DNA between nucleosomes and mediates compaction into higher order chromatin. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Histone H3.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

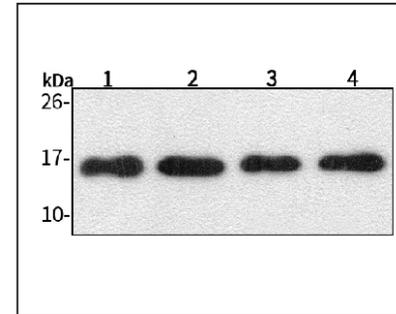
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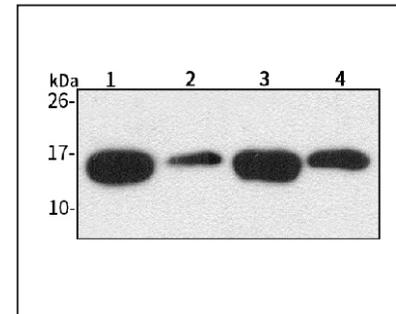
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Product Images



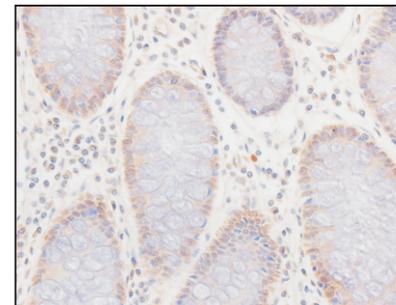
Western blot-Anti-Histone H3 pAb

Lane 1: Human HeLa cell lysate
 Lane 2: Human MGC-803 cell lysate
 Lane 3: Human GC-7901 cell lysate
 Lane 4: Human MCF-7 cell lysate
 All lanes: Anti-Histone H3 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 15 kDa
 Observed band size: 15 kDa



Western blot-Anti-Histone H3 pAb

Lane 1: Mouse lung tissue lysate
 Lane 2: Mouse testicle tissue lysate
 Lane 3: Rat brain tissue lysate
 Lane 4: Rat colon tissue lysate
 All lanes: Anti-Histone H3 at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 15 kDa
 Observed band size: 15 kDa



Immunohistochemistry-Anti-Histone H3 pAb

Immunohistochemical analysis of paraffin-embedded human stomach cancer using anti-Histone H3 Rabbit Antibody at 1:300 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0