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Product Data Sheet

Tri-Methyl-Histone H3 (Lys27) Antibody (G.299.10)

Tested Species Reactivity
Human (Hu)
Mouse (Ms)
Rat (Rt)
Non-human primate (Nhp)
Xenopus laevis (Xl)
Zebrafish (Zf)

Tested Applications	Dilution *
Western Blot (WB)	1:1000
Immunofluorescence (IF)	1:800
Immunohistochemistry (Paraffin) (IHC (P))	1:200
Immunoprecipitation (IP)	1:100
ChIP assay (ChIP)	1:50

* Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.

Details	
Catalog Number:	MA5-11198
Size:	100 ul
Class:	Monoclonal
Type:	Antibody
Clone:	G.299.10
Host / Isotype:	Rabbit / IgG
Immunogen:	Synthetic peptide (KLHcoupled) corresponding to the amino terminus of histone H3 in which Lys27 is tri-methylated.

Form Information	
Form:	Liquid
Purification:	Affinity chromatography
Storage Buffer:	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative:	<0.02% sodium azide
Storage Conditions:	-20° C, Avoid Freeze/Thaw Cycles

Product Specific Information

MA5-11198 detects human, mouse, rat and monkey samples. This product reacts with Xenopus laevis and Zebrafish based on sequence homology.

MA5-11198 has been tested and validated in use for Western Blot, Immunoprecipitation, Immunohistochemistry (Parrafin), Immunoflourescence, and ChIP applications.

A molecular weight of approximately 17 kDa is expected.

General Information

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

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