

# Product Data Sheet

## Tri-Methyl-Histone H3 (Lys4) Antibody (G.532.8)

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

Tested Applications	Dilution *
Western Blot (WB)	1:1000
Immunofluorescence (IF)	1:400
Immunohistochemistry (Paraffin) (IHC (P))	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	
<b>Catalog Number:</b>	MA5-11199
<b>Size:</b>	100 µl
<b>Class:</b>	Monoclonal
<b>Type:</b>	Antibody
<b>Clone:</b>	G.532.8
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	Synthetic peptide corresponding to the amino terminus of histone H3 in which Lys4 is tri-methylated

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

Product Specific Information	General Information
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It is not recommended to aliquot this antibody.

This antibody is not cross-reactive with methylated histone H3 Lys9, Lys27, Lys36 or methylated histone H4 Lys20.

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.

This product is for In Vitro experimental use only. Not for resale without express authorization.

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