

Product datasheet for **TA384378**

H3FT (HIST3H3) Mouse Monoclonal Antibody [Clone ID: 10A10-4H3-2A1]

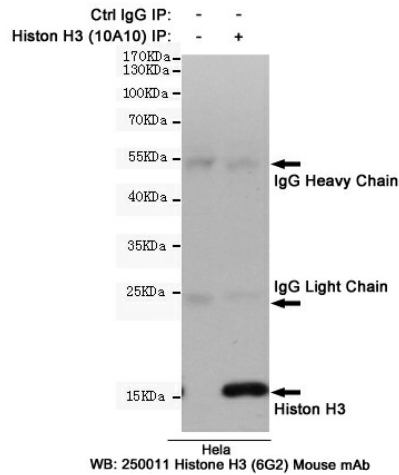
Product data:

Product Type:	Primary Antibodies
Clone Name:	10A10-4H3-2A1
Applications:	WB
Recommended Dilution:	WB: 1/1000-1/2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Protein of Histone H3
Formulation:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Observed MW (kDa):15
Gene Name:	histone cluster 3, H3
Database Link:	Entrez Gene 8290 Human P68431
Background:	Swiss-Prot Acc.P68431.Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.MiscellaneousThis histone is only present in mammals and is enriched in acetylation of Lys-15 and dimethylation of Lys-10 (H3K9me2).
Synonyms:	H3.4; H3/g; H3/t; H3FT; H3t; MGC126886; MGC126888

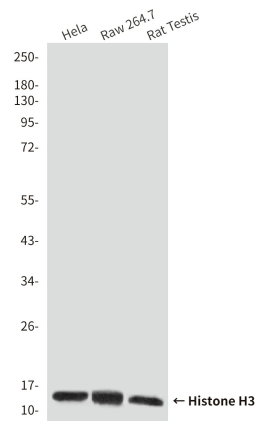


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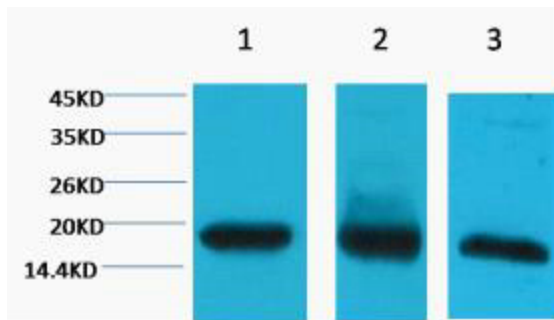
Product images:



Immunoprecipitation analysis of HeLa cell lysates using Histone H3 (1A1) Mouse mAb.



Western blot analysis of Histone H3 in HeLa, Raw 264.7, rat Testis lysates using Histone H3 (10A10) antibody



Western blot analysis of 1) HeLa, 2) Raw 264.7, 3) Rat Testis, diluted at 1:2000. cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).