

Product datasheet for TA384419M

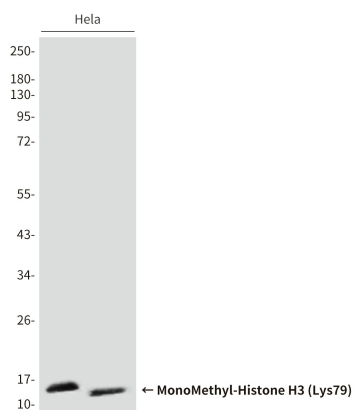
H3FT (HIST3H3) Mouse Monoclonal Antibody [Clone ID: 4A1-9G8-3A9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4A1-9G8-3A9
Applications:	WB
Recommended Dilution:	WB: 1/500-2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic Peptide of Histone H3 (Mono Methyl Lys79) (Methylated)
Formulation:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.03% Proclin 300, 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:



Western blot analysis of MonoMethyl-Histone H3 (Lys79) in HeLa lysates using MonoMethyl-Histone H3 (Lys79) (4A1) antibody.