

## Product datasheet for TA384421S

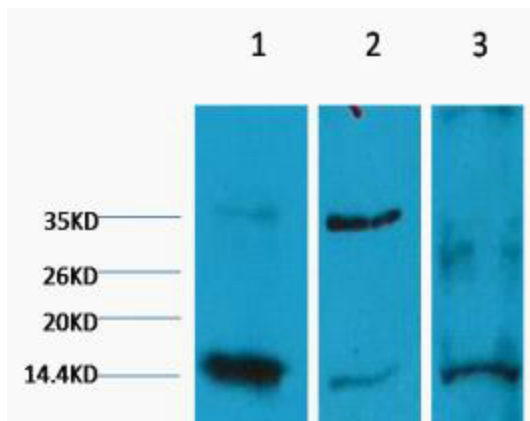
### H3FT (HIST3H3) Mouse Monoclonal Antibody [Clone ID: 10B2-6D2-4H4]

#### Product data:

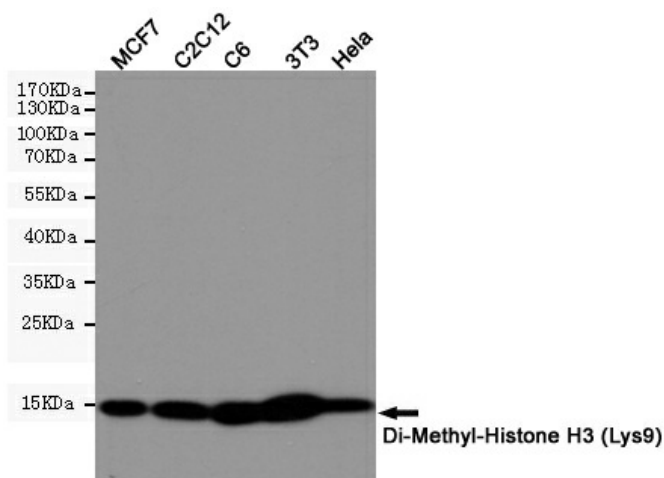
Product Type:	Primary Antibodies
Clone Name:	10B2-6D2-4H4
Applications:	WB
Recommended Dilution:	WB: 1/1000-3000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic Peptide of Histone H3 (Di Methyl Lys9) (Methylated)
Formulation:	Liquid in PBS containing 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:	<a href="#">Entrez Gene 8290 Human P68431</a>
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 1) HeLa, 2) Rat Heart Tissue, 3) Raw264.7, diluted at 1:2000. cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Western blot detection of Di-Methyl-Histone H3 in MCF7, C2C12, C6, 3T3, HeLa cell lysates using Di-Methyl-Histone H3 (Lys9) (10B2) Mouse mAb (1:1000 diluted). Predicted band size: 15KDa. Observed band size: 15KDa.