

## Product datasheet for **TA384420S**

### **H3FT (HIST3H3) Mouse Monoclonal Antibody [Clone ID: 5F6-6G6-6F9]**

#### **Product data:**

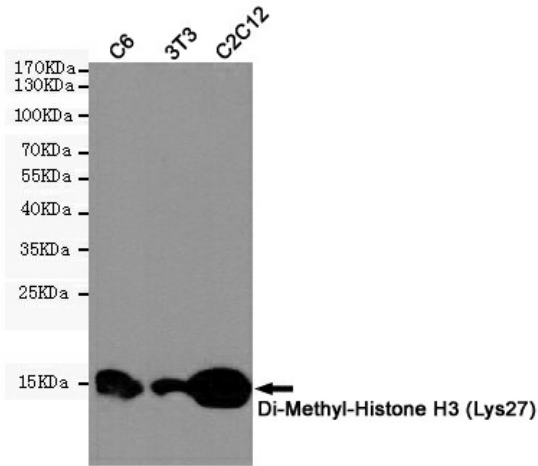
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	5F6-6G6-6F9
<b>Applications:</b>	IF, IP, WB
<b>Recommended Dilution:</b>	WB: 1/1000-3000 ICC: 1/200 IP: 1/200
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Synthetic Peptide of Histone H3 (Di Methyl Lys27) (Methylated)
<b>Formulation:</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.03% Proclin 300, pH 7.3.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity Purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Stability:</b>	1 year
<b>Predicted Protein Size:</b>	Observed MW (kDa):15
<b>Gene Name:</b>	histone cluster 3, H3
<b>Database Link:</b>	<a href="#">Entrez Gene 8290 Human P68431</a>
<b>Background:</b>	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).



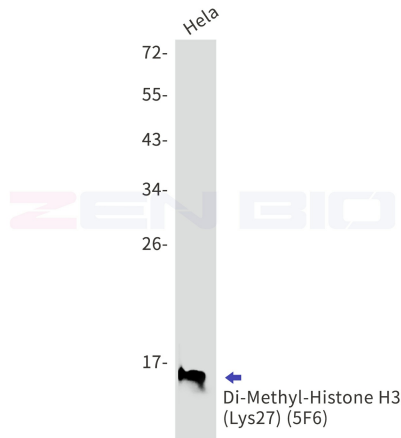
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Synonyms: H3.4; H3/g; H3/t; H3FT; H3t; MGC126886; MGC126888

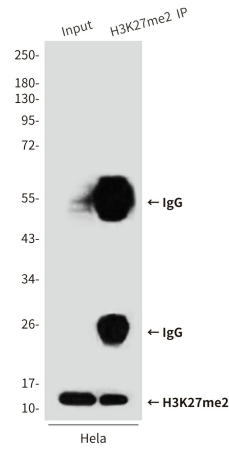
**Product images:**



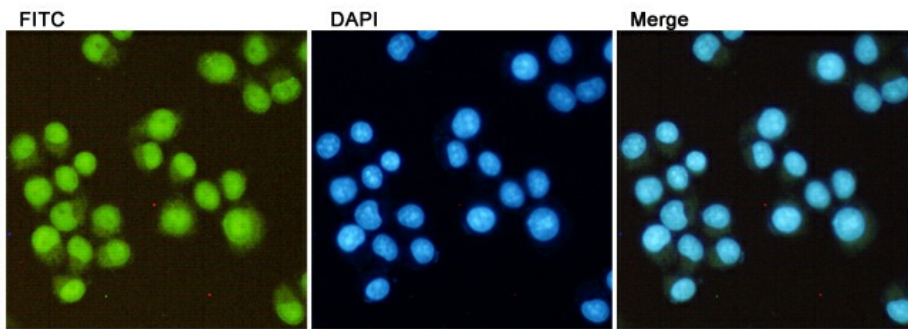
Western blot detection of Di-Methyl-Histone H3 in C6,3T3,C2C12 cell lysates using Di-Methyl-Histone H3 (Lys27) (5F6) Mouse mAb(1:1000 diluted).Predicted band size:15KDa.Observed band size:15KDa.



Western blot detection of Di-Methyl-Histone H3 (Lys27) (5F6) in HeLa,Rat heart,Mouse heart,HUVEC,Jurkat cell lysates using Di-Methyl-Histone H3 (Lys27) (5F6) antibody. Observed band size:15kDa.



Immunoprecipitation analysis of DiMethyl-Histone H3 (Lys27) (5F6) in HeLa lysates using DiMethyl-Histone H3 (Lys27) (5F6) antibody.



Immunocytochemistry staining of HeLa cells using Di-Methyl-Histone H3 (Lys27) (5F6) Mouse mAb(dilution 1:100).