

Product datasheet for **TA384388**

H3FT (HIST3H3) Rabbit Monoclonal Antibody [Clone ID: R06-4I8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R06-4I8
Applications:	IHC, WB
Recommended Dilution:	WB: 1/1000 IHC: 1/50
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human Histone H3
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
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:	Calculated MW: 15 kDa; Observed MW: 17 kDa
Gene Name:	histone cluster 3, H3
Database Link:	Entrez Gene 8290 Human P68431



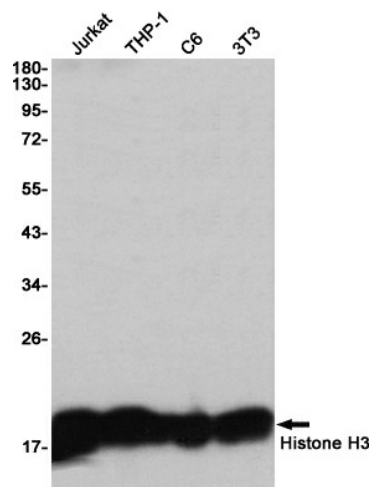
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Background:

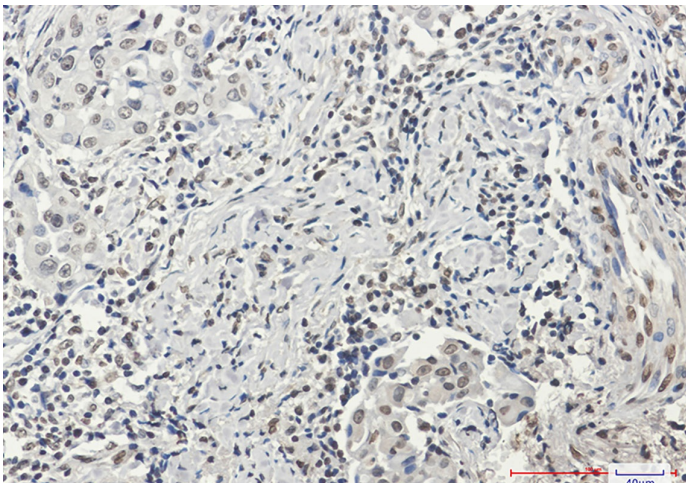
Swiss-Prot Acc.P68431.Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Miscellaneous This histone is only present in mammals and is enriched in acetylation of Lys-15 and dimethylation of Lys-10 (H3K9me2). Caution The original paper reporting lysine deamination at Lys-5 by LOXL2 has been retracted due to inappropriate manipulation of figure data (PubMed:22483618, PubMed:27392148). However, this modification was confirmed in a subsequent publication (PubMed:27735137).

Synonyms:

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

Product images:

Western blot analysis of Histone H3 in Jurkat, THP-1, C6, 3T3 lysates using Histone H3 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Histone H3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.