OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA328045

H3FT (HIST3H3) Mouse Monoclonal Antibody [Clone ID: 11D8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	11D8
Applications:	IF, WB
Recommended Dilution:	WB, IF
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b, kappa
Clonality:	Monoclonal
Immunogen:	Modified synthetic peptide conjugated to KLH
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. Previous lots of this product may have been formulated with 0.1% or 0.05% NaN3 instead of 0.09% NaN_3.
Concentration:	lot specific
Purification:	The antibody was purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	histone cluster 3, H3
Database Link:	NP_003484 Entrez Gene 8290 Human Q16695
Background:	Histone H3 is phosphorylated at serine 10 during mitosis and found to be involved in transcriptional activation, chromatin decondensation, and chromosome compaction during cell division, by the action of Aurora kinase and NIMA kinases.
Synonyms:	g; H3; H3.4; H3FT; H3t
Protein Pathways:	Systemic lupus erythematosus

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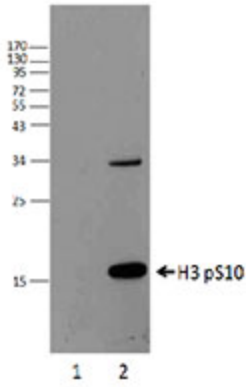
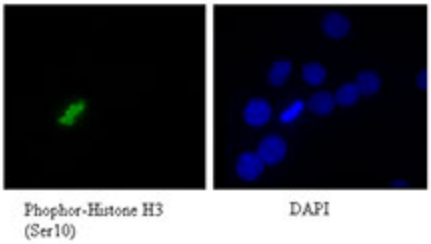
Product images:



293T cell extracts were resolved by electrophoresis, transferred to nitrocellulose, and probed with purified anti-H3-pS10 clone 11D8 antibody. Proteins were visualized using an anti-mouse IgG secondary conjugated to HRP and chemiluminescence detection. Lane 1, is inter phase 293T cell extract; lane 2, is M phase 293T cell extract (overnight nocodazole-treated cells).



Exponentially growing Hela cells were stained with purified phospor-Histone H3 (Ser10), clone 11D8 antibody, followed by Alexa Fluor® 488 conjugated to anti-mouse IgG and DAPI. The phosphor-Histone staining is specific on metaphase cells only.