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Product datasheet for TA384418S

H2BC21 Mouse Monoclonal Antibody [Clone ID: 7E2-2A1-8D2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7E2-2A1-8D2
Applications:	IHC, WB
Recommended Dilution:	WB: 1/1000-3000 IHC: 1/100-200
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic Peptide of Histone H2B
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):14
Gene Name:	histone cluster 2, H2be
Database Link:	Entrez Gene 8349 Human P33778
Background:	Swiss-Prot Acc.P33778.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.

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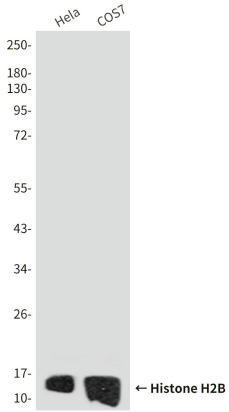
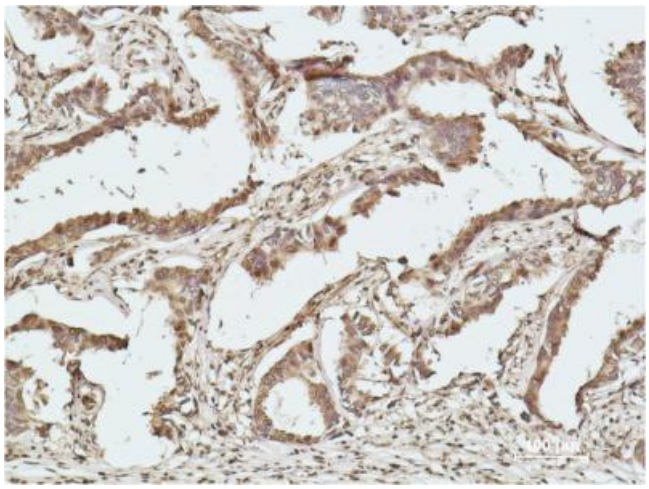
Synonyms: GL105; H2B; H2B-GL105; H2B.1; H2B.q; H2B/q; H2BFQ; H2BGL105; H2BQ; MGC119802; MGC119804; MGC129733; MGC129734

Product images:



Western blot analysis of Histone H2B in Hela and COS7 lysates using Histone H2B antibody.



Immunohistochemical analysis of paraffin-embedded human breast caricnoma using Histone H2B Mouse mAb diluted at 1:500.