

Product datasheet for **TA384368**

H2BC19P Rabbit Monoclonal Antibody [Clone ID: R05-1J4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	R05-1J4
Applications:	IHC, IP, WB
Recommended Dilution:	WB: 1/1000 IHC: 1/20 IP: 1/20
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human Histone H2B
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: 14 kDa; Observed MW: 14 kDa
Gene Name:	histone cluster 2, H2bd (pseudogene)
Database Link:	Entrez Gene 337874 Human O60814



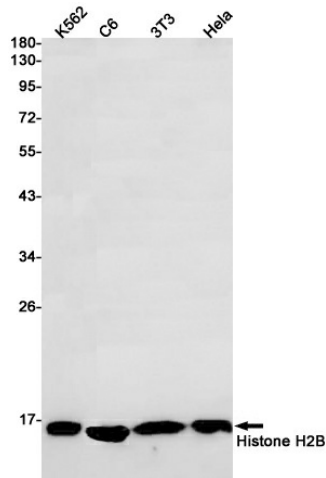
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Background:

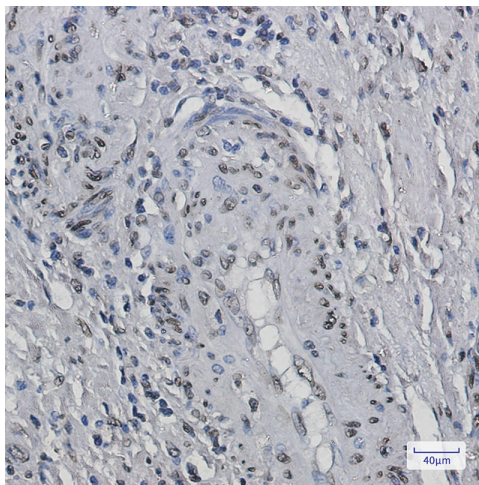
Swiss-Prot Acc.O60814.Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.Has broad antibacterial activity. May contribute to the formation of the functional antimicrobial barrier of the colonic epithelium, and to the bactericidal activity of amniotic fluid.

Synonyms:

HIST2H2BD

Product images:


Western blot analysis of Histone H2B in K562, C6, 3T3, HeLa lysates using Histone H2B antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Histone H2B antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.