10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Histone H2A (Butyryl-K5) Antibody

Rabbit polyclonal antibody to Histone H2A (Butyryl-K5)
Catalog # AP61418

Product Information

Application	WB, IHC
Primary Accession	P0C0S8
Other Accession	P22752
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14091

Additional Information

Gene ID	8329;8330;8332;8336;8969
Other Names	H2AFP; H2AFC; H2AFD; H2AFI; H2AFN; Histone H2A type 1; H2A.1; Histone H2A/p
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Histone H2A with a site at Butyryl-K5. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

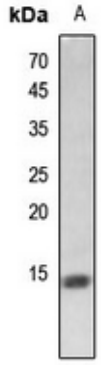
Protein Information

Name	H2AC11 (HGNC:4737)
Synonyms	H2AFP, HIST1H2AG
Function	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.
Cellular Location	Nucleus. Chromosome.

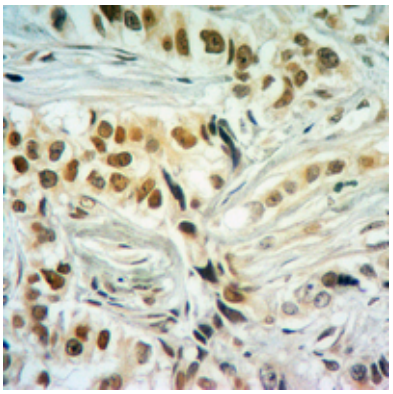
Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Histone H2A with a site at Butyryl-K5. The exact sequence is proprietary.

Images



Western blot analysis of Histone H2A (Butyryl-K5) expression in MCF7 (A) whole cell lysates.



Immunohistochemical analysis of Histone H2A (Butyryl-K5) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.