

Acetyl Histone H2A (K5) rabbit pAb

Cat No.:ES5713

For research use only

Overview

Product Name Acetyl Histone H2A (K5) rabbit pAb

Host species Rabbit

Applications IHC;IF;WB;ELISA **Species Cross-Reactivity** Human;Mouse;Rat

Recommended dilutions WB 1:500-2000 Immunohistochemistry: 1/100 -

1/300. ELISA: 1/5000. Not yet tested in other

applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human Histone H2A around

the acetylated site of Lys5. AA range:1-50

Specificity Acetyl-Histone H2A (K5) Polyclonal Antibody detects

endogenous levels of Histone H2A protein only

when acetylated at K5.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Histone H2A.Z

Gene Name H2AFZ

Cellular localization Nucleus. Chromosome.

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 14kD
Human Gene ID 3015
Human Swiss-Prot Number POCOS5

Alternative Names H2AFZ; H2AZ; Histone H2A.Z; H2A/z

Background Histones are basic nuclear proteins that are

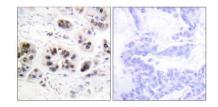
responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of





each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene encodes a replication-independent member of the histone H2A family that is distinct from other members of the family. Studies in mice have shown that this particular histone is required for embryonic development and indicate that lack of functional histone H2A leads to embryonic lethality. [provided by RefSeq, Jul 2008],

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Histone H2A (Acetyl-Lys5) Antibody. The picture on the right is blocked with the synthesized peptide.



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