

Acetyl Histone H2A (K5) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00156
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human Histone H2A around the acetylated site of Lys5. AA range:1-50
Mol wt	51633
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, WB, ELISA
Concentration	1 mg/ml
Full name	Acetyl Histone H2A (K5) Antibody
Synonyms	H2AFZ; H2AZ; Histone H2A.Z; H2A/z

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. H2AFZ 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.

Recommended Dilution

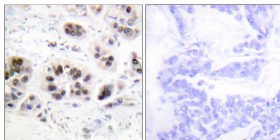
WB: 1: 500 - 2000

ELISA: 1: 5000

IHC: 1: 100 - 1: 300

Not yet tested in other applications.

Images



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.

Storage

-20°C for one year