

Product Data Sheet

Purified anti-Histone H2A

Catalog # / Size: 619401 / 50 µl (5 Western blots)
619402 / 200 µl (20 Western blots)

Clone: Poly6194

Isotype: Rabbit IgG

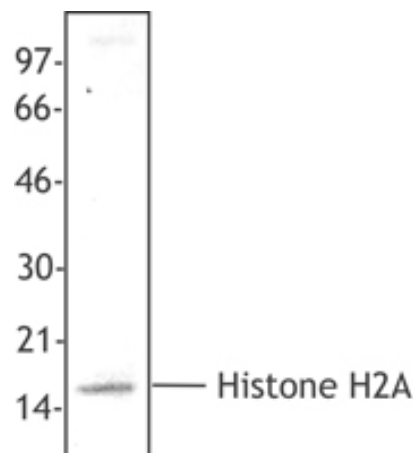
Immunogen: Peptide mixture containing amino acid residues 1-5 and 81-96 of histone H2A

Reactivity: Human, others not tested

Preparation: The antibody was purified by antigen-affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20° C.



Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Jurkat cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with rabbit anti-Histone H2A polyclonal antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.

Description: Histone H2A is a 14 kD nuclear protein that is a component of an octamer containing pairs of each of four core histones (H2A, H2B, H3, H4). The core histones create nucleosome structure of chromosomal fiber in eukaryotes and are dynamic in gene regulation. The histones exhibit cell cycle-dependent transcriptional regulation. Histone H2A can be modified by phosphorylation and acetylation; phosphorylation of H2A correlates with mitotic chromosome condensation. Histone H2A interacts with Histones H3B, H3, and H4 as well as HIV-1 Tat peptides. The Poly6194 antibody has been shown to be useful for the Western blotting of human histone 2A.

Antigen References:

1. McGhee JD, *et al.* 1980. *Ann. Rev. Biochem.* 49:1115.
2. Nakamura TM, *et al.* 2004. *Mol. Cell. Biol.* 24:6215.
3. Benedetti A, *et al.* 2002. *Biochem. J.* 367:505.

Related Products:

Product
Purified anti-H2A.X-Phosphorylated (Ser139)

Purified anti-Histone H3

Purified anti-Histone H4

Purified anti-H2A.X

HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone

2F3

Poly6019

Poly6020

Poly6133

Poly4064

Application

IF, IHC, WB, ICFC

WB

WB, IF

WB, IF

ELISA, IHC, WB



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