

Anti-Histone H3 Antibody

Overview

Cat. Number: BA1054

Product Name: Anti-Histone H3 antibody

Reactivity: Human, Mouse, Rat, Fish

Clone Number: -

Host species: Rabbit

Clonality: Polyclonal

Isotype: IgG

Immunogen: A synthesized peptide derived from human Histone H3.

Applications

Tested applications: WB, IHC, IF/ICC, ELISA(peptide)

Recommended dilutions:

WB: 1:500-1:2000

IHC: 1:50-1:200

IF/ICC: 1:100-1:500

ELISA(peptide): 1:20000-1:40000

Properties

Form: Liquid

Concentration: 1mg/ml.

Storage: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20°C. Stable for 12 months from date of receipt.

Background

湖北百奥斯 (Biossci) 生物科技有限公司
武汉长衍病理科技有限公司

H3 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. The nucleosome is a histone octamer containing two molecules each of H2A, H2B, H3 and H4 assembled in one H3-H4 heterotetramer and two H2A-H2B heterodimers.

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