

Histone H3 Monoclonal Antibody

catalog number: E-AB-22003

Note: Centrifuge before opening to ensure complete recovery of vial contents.

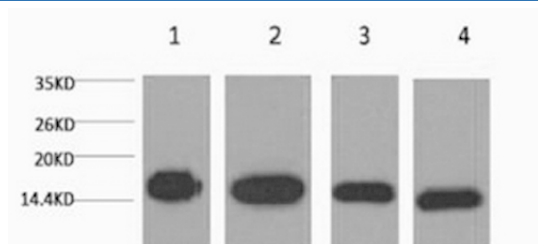
Description

Reactivity	Human;Mouse;Rat;Yeast
Immunogen	Recombinant Protein
Host	Mouse
Isotype	IgG
Clone	5B1
Purification	Protein A purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-300
IF	1:100-500
IP	1:100-1:300

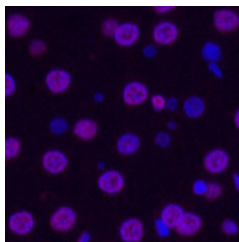
Data



Western Blot analysis of 1) HeLa, 2) Raw264.7, 3) Mouse brain, 4) Rat brain using Histone H3 Monoclonal Antibody at dilution of 1:5000.

Observed-MW:15 kDa

Calculated-MW:15 kDa



Immunofluorescence analysis of Rat liver tissue using Histone H3 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

For Research Use Only

Background

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.

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