

Histone H3 Monoclonal Antibody

catalog number: E-AB-22003

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

Description

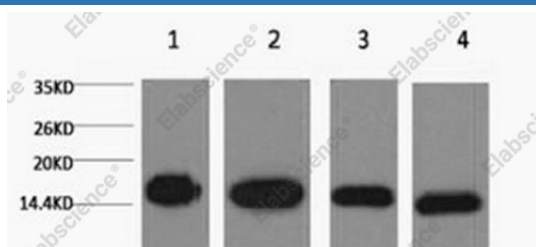
Reactivity	Human;Mouse;Rat;Yeast
Immunogen	Recombinant Protein
Host	Mouse
Isotype	Mouse IgG
Clone	5B1
Purification	Protein A purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications

Recommended Dilution

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

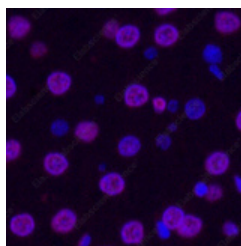
Data



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.

Background

For Research Use Only

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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.