

Histone H3 Mouse Monoclonal Antibody

Catalog No: #37988

Package Size: #37988-1 50ul #37988-2 100ul

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Description

Product Name	Histone H3 Mouse Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Purification	Affinity purification using immunogen.
Applications	WB IF IP
Species Reactivity	Human;Mouse;Rat
Specificity	The Histone H3 antibody can detects endogenous Histone H3 protein.
Conjugates	Unconjugated
Target Name	Histone H3
Other Names	H3/A; H3FA;H3FB; H3FC
Accession No.	Swiss-Prot#:P68431
SDS-PAGE MW	17kd
Concentration	1.0mg/ml
Formulation	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

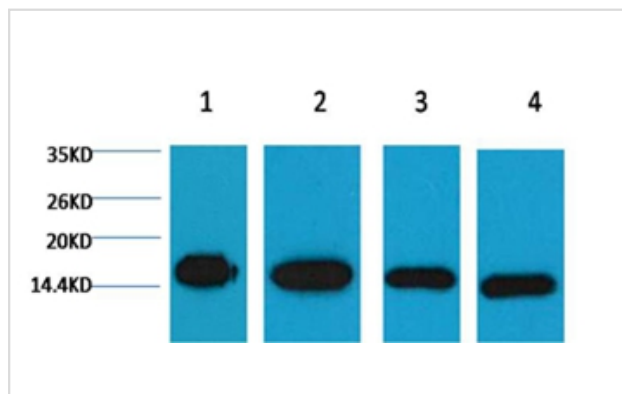
Application Details

Western blotting: 1:2000~1:5000

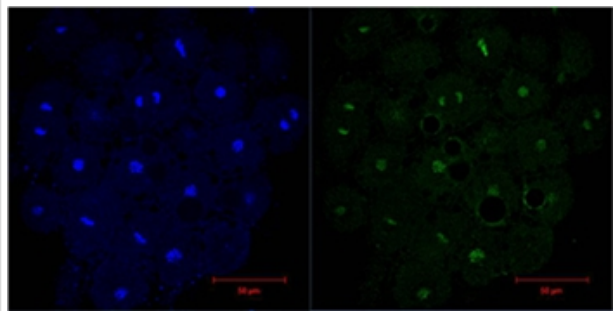
Immunofluorescence: 1:100-500

Immunoprecipitation: 1:200

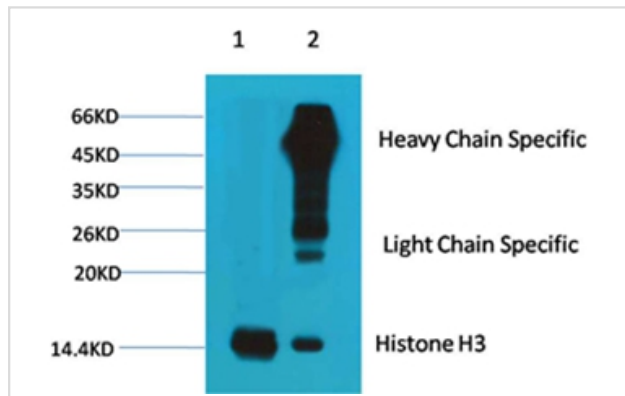
Images



Western blot analysis of 1) HeLa, 2) Raw, 3) Mouse Brain Tissue, 4) Rat Brain Tissue, using #37988 diluted at 1:5,000.



IF analysis of HeLa with DAPI (Left) and #37988(Right) diluted at 1:200.



1B'B'Input: HeLa Cell Lysate
2B'B'IP product: IP dilute 1:200
Western blot analysis: primary antibody : #37988 1:2,000
Secondary antibody: Goat anti-Mouse IgG(H+L) 1:10,000.

Background

Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.