



Histone H3

Mouse monoclonal Antibody

#53351

Catalog Number: 53351

Amount: 100µg/100µl

Swiss-Prot No. : P68431

Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Storage/Stability: Store at -20°C/1 year

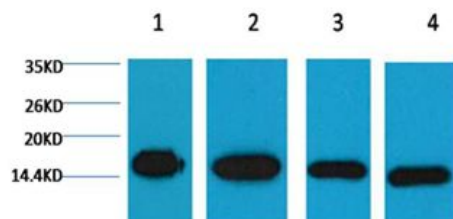
Immunogen: Purified recombinant human Histone H3 protein fragments expressed in E.coli

Purification: affinity-chromatography

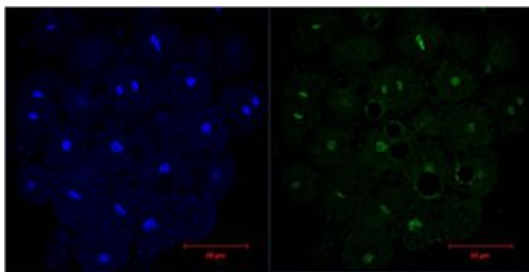
Specificity/Sensitivity: This antibody detects endogenous levels of Histone H3 and does not cross-react with related proteins

Reactivity: Human, Mouse, RAT

Applications: Predicted MW: 70kd WB: 1:2000-5000 IF: 1:100-500 IP: 1:200



Western blot analysis of 1) Hela, 2) Raw, 3) Mouse Brain Tissue, 4) Rat Brain Tissue, using #53351 diluted at 1:5,000.



IF analysis of Hela with DAPI (Left) and #53351 (Right) diluted at 1:200.

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.