Histone H3 Mouse Monoclonal Antibody(1G1)

Catalog No.: RTA12

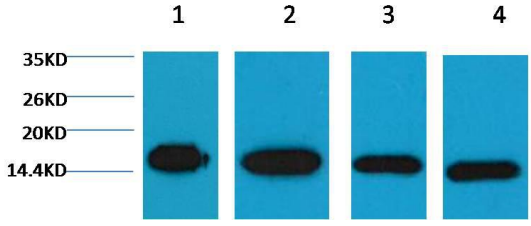
Basic Information

Information	
Reactivity	H,M,R,Yeast
Immunogen	Recombinant Protein
Host	Mouse
Isotype	IgG1
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	15KD

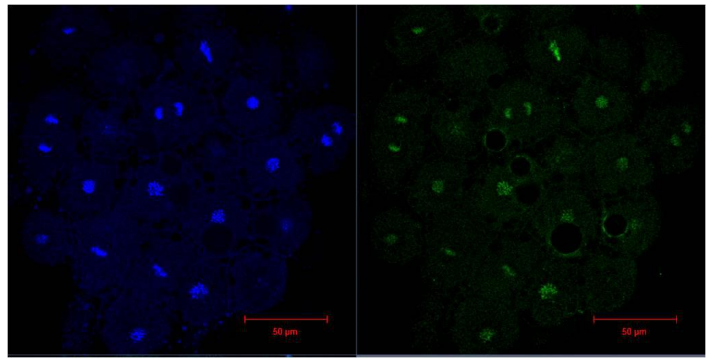
Applications	Recommended Dilution
WB	1:2,000-5,000
IF	1:100-500
IP	1:200

Preparation & Storage	
Storage	Store at -20°C. Stable for one year from the date of shipment.
Shipping	Bule Ice

Experimental Data



Western blot analysis of 1) Hela, 2) Raw, 3) Mouse Brain Tissue, 4) Rat Brain Tissue with Histone H3 Mouse Monoclonal Antibody(1G1) diluted at 1:5,000.



IF analysis of Hela with DAPI (Left) and Histone H3 Mouse Monoclonal Antibody(1G1)(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.