

Histone H3(Phospho Thr45) Rabbit Polyclonal Antibody

Catalog No.: RA20026

Basic Information

Information

Reactivity	H,M,R
Immunogen	Synthetic Peptide
Host	Rabbit
Isotype	IgG
Storage Buffer & Condition	1mg/ml in PBS, pH 7.4, containing 0.02% sodium azide and 50% glycerol.
Observed MW	15-17KD

Applications

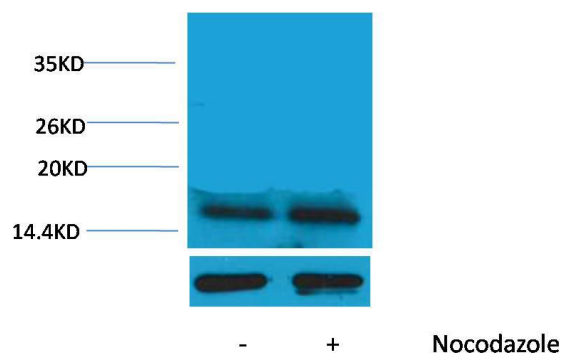
Recommended Dilution

WB	1:1,000
IHC	1:100-200

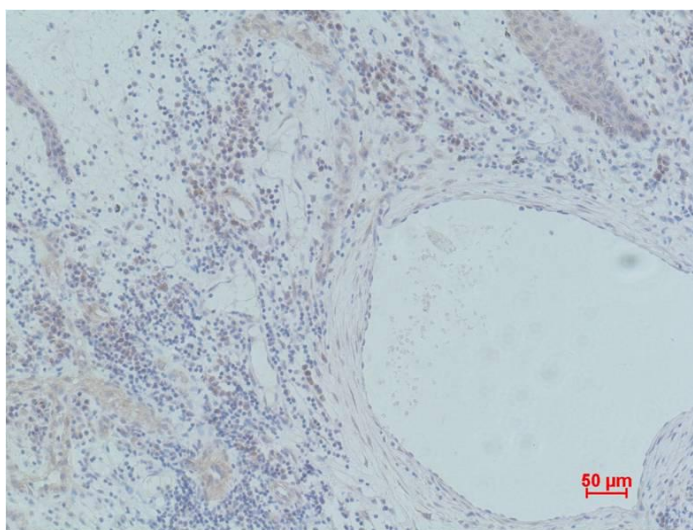
Preparation & Storage

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

Experimental Data



Western blot analysis of extracts from HeLa cells, untreated (-) or treated with Nocodazole (1 μ g/ml, 24 hr; +), using Phospho-Histone H3 (Thr45) Rabbit pAb (upper) 1:1000 and Histone H3 (1G1) Mouse mAb (lower) 1:2000.



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using Histone H3(Phospho Tyr45) Rabbit pAb 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.