

# Histone H3(Phospho Tyr41) Rabbit Polyclonal Antibody

## Catalog No.: RA20025

### Basic Information

#### Information

Reactivity	H,M,R
Immunogen	Synthetic Peptide
Host	Rabbit
Isotype	IgG
Storage Buffer & Condition	Rabbit Antiserum, containing 0.02% sodium azide and 50% glycerol.
Observed MW	15-17KD

#### Applications

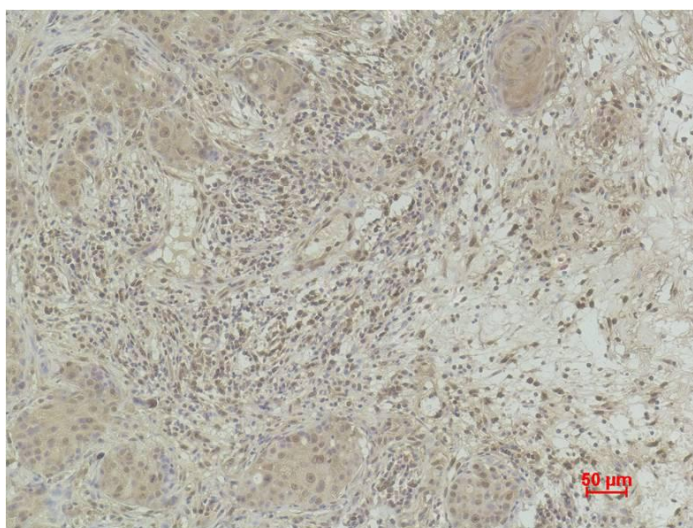
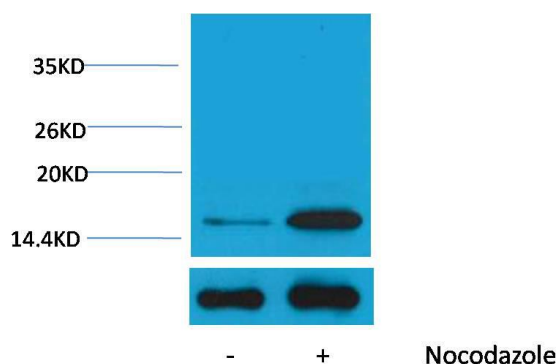
#### Recommended Dilution

WB	1:1,000-2,000
IHC	1:200-500

### 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 (1μg/ml, 24 hr; +), using Phospho-Histone H3 (Tyr41) Rabbit pAb (upper) 1:2000 and Histone H3 (1G1) Mouse mAb (lower) 1:2000.

Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using Histone H3(Phospho Tyr41) Rabbit pAb diluted at 1:500.

## 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.