



# ELK Biotechnology

**Histone H3(Phospho Thr32 ) Rabbit pAb**

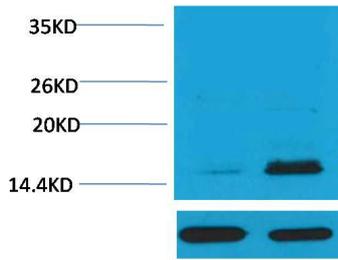
**Catalog NO.: EA064**

**For research use only.**

## Overview

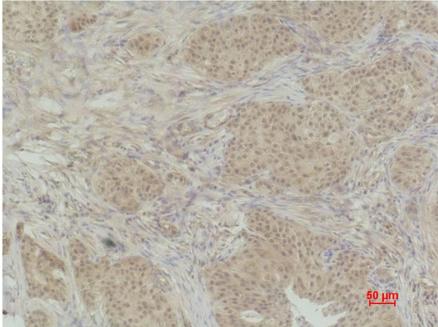
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Product name	Histone H3(Phospho Thr32 ) Rabbit polyclonal antibody
Source	Rabbit
Applications	<b>WB, IHC</b>
Species reactivity	<b>Human, Rat, Mouse</b>
Recommended dilutions	<b>WesternBlot:1/1000-2000</b> <b>Immunohistochemistry:1/200-500</b> <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	<b>15-17kDa</b>
GenelD ( Human )	8290
Human Swiss-Prot No.	P68431
Cellular localization	Nuclear
Alternative Names	H3 histone antibody, HIST1H3A antibody, Histone cluster 1, H7a antibody
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.



Western blot analysis of extracts from HeLa cells, untreated (-) or treated with Nocodazole (1 $\mu$ g/ml, 24 hr; +), using Phospho-Histone H3 (Thr32) Rabbit pAb (upper) EA064 1:2000 and Histone H3 (1G1) Mouse mAb (lower) EM1037 1:2000.

- + No



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using Histone H3(Phospho Thr32) ( EA064 ) Rabbit pAb diluted at 1:500.