



# ELK Biotechnology

## Histone H3 (tri methyl K79) Monoclonal antibody

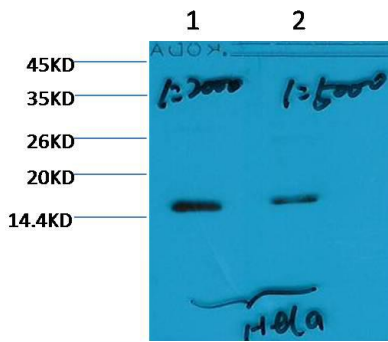
Catalog NO.: EM1091

For research use only.

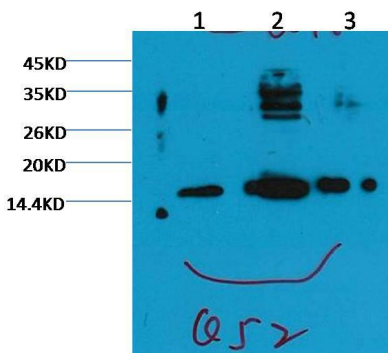
### Overview

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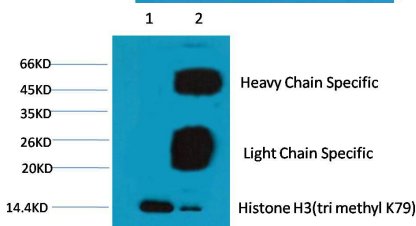
Product name	Histone H3 (tri methyl K79) Mouse Monoclonal antibody
Source	Mouse
Applications	<b>WB IHC</b>
Species reactivity	<b>Human Rat Mouse</b>
Recommended dilutions	<b>WesternBlot:1/500-2000</b> <b>Immunoprecipitation:1/200</b> <b>Immunohistochemistry:1/200-500</b> <b>NOTE: Optimal dilutions should 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	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	<b>15kDa</b>
GeneID (Human)	8290
Human Swiss-Prot No.	P68431
Cellular localization	NucleusChromosome
Alternative Names	H3 histone antibody HIST1H3A antibody Histone cluster H3a 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.



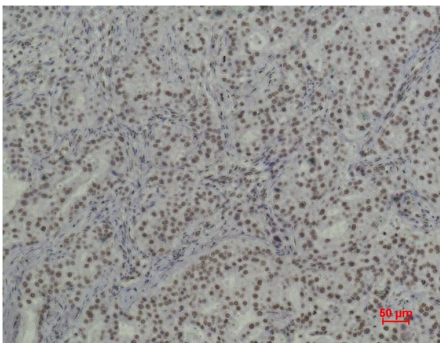
Western blot analysis of HeLa with Histone H3 (tri methyl K79) Mouse mAb(3G3) diluted at 1) 1:2000 2) 1:5000



Western blot analysis of HeLa 2) Rat Testis tissue 3) Raw264.7 with Histone H3 (tri methyl K79) (3G3) Mouse MAb diluted at:2000.



1、 Input: HeLa Cell Lysate 2、 IP product: IP dilute:200 Western blot analysis: primary antibody : EM1091:1000 Secondary antibody: Goat anti-Mouse IgG(H+L) (S001):10000



Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using Histone H3(tri methyl K79) (EM1091) Mouse mAb diluted at:500.