

## Histone H3 (tri methyl K4) Mouse Monoclonal Antibody(2E11)

Catalog	TDY131C	TDY131F
Quantity	50 $\mu$ L	100 $\mu$ L

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**For research use only.**

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IHC	H, R, M	15KD	IgG1

**Storage Buffer & Condition:** PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.  
Store at **-20°C**. **Do not aliquot the antibody.**

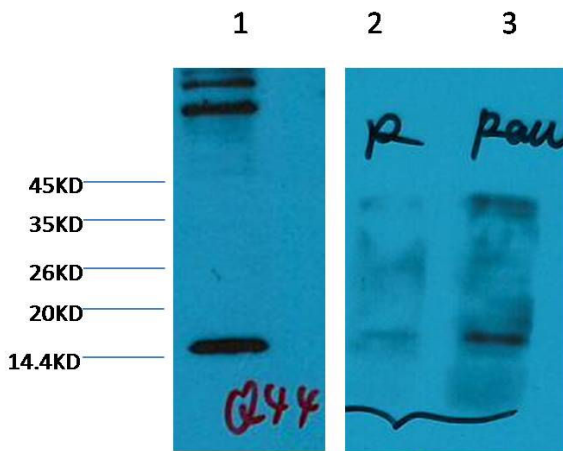
**Recommended dilutions:** WB: 1:500-1,000 IHC: 1:200-500

**Optimal dilutions should be determined by the end user.**

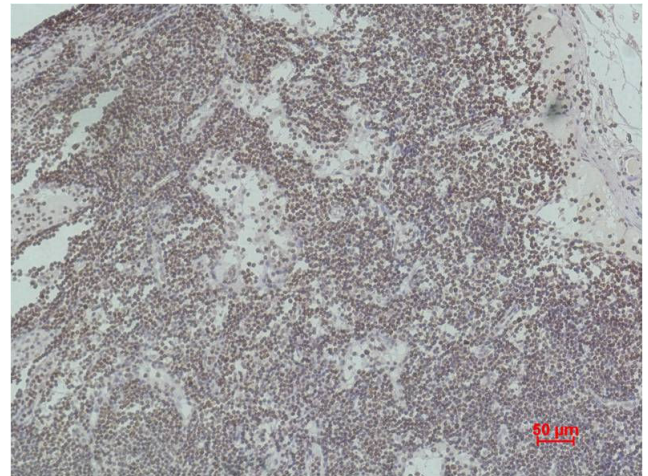
**Specificity:** Antibody can detects endogenous Histone H3 (tri methyl K4) protein.

**Alternative Names:** H3 histone antibody, HIST1H3A antibody, Histone cluster 1, 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 1) Hela, 2) Rat Testis tissue, 3) Raw264.7 with Histone H3 (tri methyl K4) (2E11) Mouse MAb diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded Human Colon using Histone H3(tri methyl K4) (TDY131) Mouse mAb diluted at 1:500.