

## Histone H3 Rabbit Polyclonal Antibody

Catalog	TDY1004C	TDY1004F	Tel: 010-80117836
Quantity	50 $\mu$ L	100 $\mu$ L	Web: www.tdybio.com
			Entrez-Gene ID:180074 , Swiss-Prot Acc.P08898

**For research use only.**

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB, IP	C. Elegans,H,M,R,Yeast	17KD	IgG

**Storage Buffer & Condition:** Antigen Affinity Purified IgG in PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.

Store at **-20°C. Do not aliquot the antibody.**

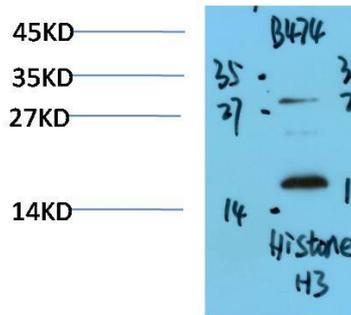
**Recommended dilutions:** WB:1:2,000-5,000 IP:5 $\mu$ l/mg protein

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

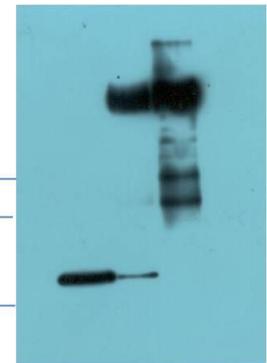
**Specificity:** Antibody can detect endogenous Histone H3 protein, predict Cross-Reactivity with Drosophila Melanogaster and other Species.

**Alternative Names:** H3 histone antibody, HIST1H3A antibody, Histone cluster 1, H3a antibody

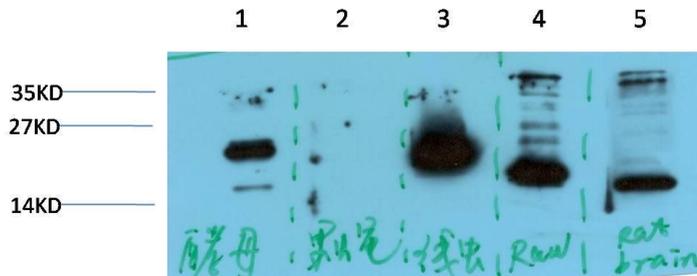
**Background:** Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability.



Western blot analysis of Lysate using (TDY1004) Rabbit pAb diluted at 1:4,000.



IP: Western blot analysis of 1) HeLa Cell Lysate INPUT, 2) HeLa Cell Lysate Histone H3 Rabbit pAb, 3) HeLa Cell Lysate Rabbit Control IgG, using Histone H3 (TDY1004) Rabbit pAb diluted at 1:5,000.



Western blot analysis of 1) Yeast Lysate, 2) Drosophila Melanogaster Lysate, 3) C. Elegans Lysate, 4) Raw Cell Lysate, 5) Rat Brain Tissue Lysate using Histone H3 (TDY1004) Rabbit pAb diluted at 1:5,000.

**Applications:** WB-Western blot IHC-Immunochemistry IF-Immunofluorescence IP-Immunoprecipitation ChIP-Chromatin Immunoprecipitation  
**Reactivity:** H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish