

# Histone H3 Rabbit Polyclonal Antibody

## Catalog No: RTA50

### Basic Information

Host species	Rabbit
Applications	WB, IP
Species Cross-Reactivity	C. Elegans,H,M,R,Yeast
Specificity	Antibody can detects endogenous Histone H3 protein , predict Cross-Reactivity with Drosophila Melanogaster and other Species.
Recommended dilutions	WB:1:2,000-5,000 IP:5ul/mg protein Optimal dilutions should be determined by the end user.

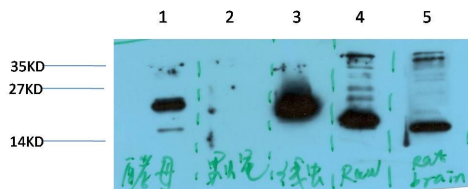
### Applications

Formulation	Antigen Affinity Purified IgG in PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Polyclonal

### Background

Alternative Names	H3 histone antibody, HIST1H3A antibody, Histone cluster 1, H3a antibody
Observed band	17
Human Gene ID	180074
Human Swiss-Prot Number	P08898
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.

## Selected Validation Data



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 Rabbit pAb diluted at 1:5,000.