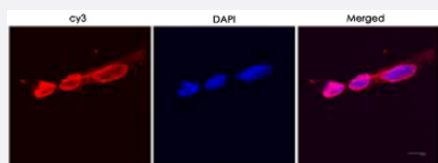


# Trimethyl-Histone H3 polyclonal antibody

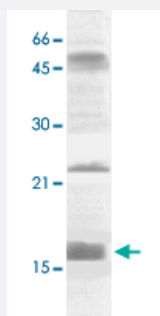
Catalog # PAB12742      Size 100 ug

## Applications

### Immunofluorescence



Fluorescent Immunohistochemistry : NIH/3T3 cells were cultured in chamber, and fixed onto slide followed by incubation with 5 ug/mL Trimethyl-Histone H3 polyclonal antibody (Cat # PAB12742), then Cy3 labeled Gt anti Rb IgG for visualization under fluorescent microscope.



### Immunoprecipitation

The nuclear extract derived from NIH/3T3 were immunoprecipitated by 4 ug of Trimethyl-Histone H3 polyclonal antibody (Cat # PAB12742), then probed with Trimethyl-Histone H3 polyclonal antibody (Cat # PAB12742) at 1 : 1000. An immunoreactive band at ~17 KDa is observed.

Note : ~50 KDa and ~22 KDa are the rabbit immunoglobulin heavy and light chains.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of Trimethyl-Histone H3.
<b>Immunogen</b>	A synthetic peptide corresponding to trimethyl lysine 9 of human Histone H3.
<b>Host</b>	Rabbit
<b>Theoretical MW (kDa)</b>	17
<b>Reactivity</b>	Bovine, Chicken, Human, Mouse, Rat
<b>Specificity</b>	This antibody only recognizes ~ 17 KDa of Trimethylated Histone H3 at K9. It does not cross react to non-methylated H3 or mono-, di-methylated Histone H3.

<b>Form</b>	Liquid
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.
<b>Recommend Usage</b>	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (5-10 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In TBS, pH 7.2 (BSA, 10% Proclin300)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Immunohistochemistry
- Immunofluorescence

Fluorescent Immunohistochemistry : NIH/3T3 cells were cultured in chamber, and fixed onto slide followed by incubation with 5 ug/mL Trimethyl-Histone H3 polyclonal antibody (Cat # PAB12742), then Cy3 labeled Gt anti Rb IgG for visualization under fluorescent microscope.

- Immunoprecipitation

The nuclear extract derived from NIH/3T3 were immunoprecipitated by 4 ug of Trimethyl-Histone H3 polyclonal antibody (Cat # PAB12742), then probed with Trimethyl-Histone H3 polyclonal antibody (Cat # PAB12742) at 1 : 1000.

An immunoreactive band at ~17 KDa is observed.

Note : ~50 KDa and ~22 KDa are the rabbit immunoglobulin heavy and light chains.

- Enzyme-linked Immunoabsorbent Assay

## Publication Reference

- [Demethylation of trimethylated histone H3 Lys4 in vivo by JARID1 JmjC proteins.](#)

Seward DJ, Cubberley G, Kim S, Schonewald M, Zhang L, Tripet B, Bentley DL.

Nature Structural & Molecular Biology 2007 Feb; 14(3):240.

- [Histone H3 lysine 9 methylation and HP1gamma are associated with transcription elongation through mammalian chromatin.](#)

Vakoc CR, Mandat SA, Olenchock BA, Blobel GA.

Molecular Cell 2005 Aug; 19(3):381.