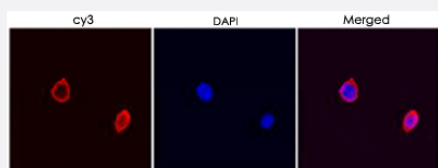


Trimethyl-Histone H3 polyclonal antibody

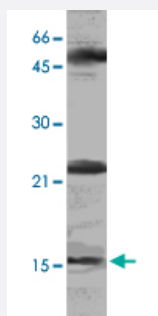
Catalog # PAB12740 Size 100 ug

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 # PAB12740), 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 # PAB12740), then probed with Trimethyl-Histone H3 polyclonal antibody (Cat # PAB12740) at 1 : 1000. An immunoreactive band at ~17 KDa is observed.

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

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of Trimethyl-Histone H3.
Immunogen	A synthetic peptide corresponding to trimethyl lysine 27 of human Histone H3.
Host	Rabbit
Theoretical MW (kDa)	17
Reactivity	Bovine, Chicken, Human, Mouse, Rat
Specificity	This antibody only recognizes ~ 17 KDa of Trimethylated Histone H3 at K27. It does not cross react to non-methylated H3 or mono-, di-methylated Histone H3.

Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (BSA, 10% Proclin300)
Storage Instruction	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 # PAB12740), then Cy3 labeled Gt anti Rb IgG for visualization under fluorescent microscope.

- Immunoprecipitation

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- Enzyme-linked Immunoabsorbent Assay

Publication Reference

- [Long noncoding RNA NEAT1 suppresses hepatocyte proliferation in fulminant hepatic failure through increased recruitment of EZH2 to the LATS2 promoter region and promotion of H3K27me3 methylation.](#)

Qiang Wang, Lian Liu, Sheng Zhang, Yingzi Ming, Shu Liu, Ke Cheng, Yujun Zhao.

Experimental & Molecular Medicine 2020 Mar; 52(3):461.

Application: ChIP, Human, HL-7702 cells

- [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.