



Datasheet for ABIN540989

## anti-Histone Cluster 2, H3c (HIST2H3C) (Lys27) antibody



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### Overview

Quantity:	100 µg
Target:	Histone Cluster 2, H3c (HIST2H3C)
Binding Specificity:	Lys27
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP)

### Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of HIST2H3C.
Immunogen:	A synthetic peptide corresponding to dimethyl lysine 27 of human HIST2H3C.
Isotype:	IgG
Specificity:	This antibody only recognizes ~17 KDa of Dimethylated HIST2H3C. It does not cross react to non-methylated H3 or mono-, Tri-methylated Histone H3.
Cross-Reactivity:	Chicken, Cow, Human, Mouse, Rat
Characteristics:	Antibody Reactive Against Synthetic Peptide.

### Target Details

Target:	Histone Cluster 2, H3c (HIST2H3C)
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## Target Details

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Alternative Name: HIST2H3C ([HIST2H3C Products](#))

Gene ID: 126961

## Application Details

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Application Notes: Western Blot (0.1-1 µg/mL)  
ELISA (0.01-0.1 µg/mL)  
Immunoprecipitation (2-5 µg/mL)  
Immunohistochemistry (1:100)  
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: In TBS, pH 7.2 (BSA, 10 % Proclin300)

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

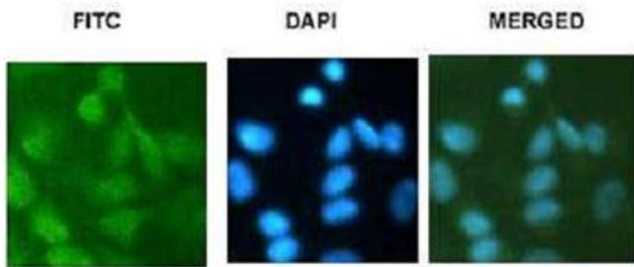
Storage Comment: Store at 4°C. For long term storage store at -20°C or lower.  
Aliquot to avoid repeated freezing and thawing.

## Publications

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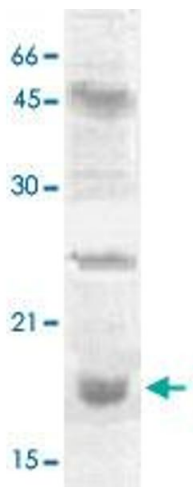
Product cited in: Seward, Cubberley, Kim, Schonewald, Zhang, Tripet, Bentley: "Demethylation of trimethylated histone H3 Lys4 in vivo by JARID1 JmjC proteins." in: **Nature structural & molecular biology**, Vol. 14, Issue 3, pp. 240-2, (2007) ([PubMed](#)).

Vakoc, Mandat, Olenchock, Blobel: "Histone H3 lysine 9 methylation and HP1gamma are associated with transcription elongation through mammalian chromatin." in: **Molecular cell**, Vol. 19, Issue 3, pp. 381-91, (2005) ([PubMed](#)).



### Immunofluorescence

**Image 1.** Fluorescent Immunohistochemistry : NIH/3T3 cells were cultured in chamber, and fixed onto slide followed by incubation with 5 ug/mL HIST2H3C polyclonal antibody , then FITC labeled Goat anti Rabbit IgG for visualization under fluorescent microscope.



### Western Blotting

**Image 2.** The nuclear extract derived from NIH/3T3 were immunoprecipitated by 4 ug of HIST2H3C polyclonal antibody , then probed with HIST2H3C polyclonal antibody 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.