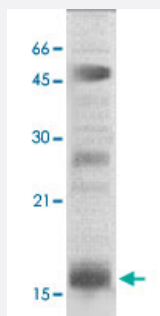


HIST2H3C polyclonal antibody

Catalog # PAB12691 Size 100 ug

Applications



Immunoprecipitation

The nuclear extract derived from HeLa were immunoprecipitated by 4 ug of HIST2H3C polyclonal antibody (Cat # PAB12691), 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 chains.

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of HIST2H3C.

Immunogen A synthetic peptide corresponding to N-terminus of human HIST2H3C.

Host Rabbit

Theoretical MW (kDa) 17

Reactivity Human, Mouse, Rat

Specificity This antibody only recognizes ~ 17 KDa of HIST2H3C.

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
- Immunoprecipitation

The nuclear extract derived from HeLa were immunoprecipitated by 4 ug of HIST2H3C polyclonal antibody (Cat # PAB12691), then probed with HIST2H3C polyclonal antibody at 1 : 1000. An immunoreactive band at ~17 KDa is observed.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — HIST2H3C

Entrez GeneID [126961](#)

Gene Name HIST2H3C

Gene Alias H3, H3.2, H3/M, H3F2, H3FM, MGC9629

Gene Description histone cluster 2, H3c

Omim ID [142780](#)

Gene Ontology [Hyperlink](#)

Gene Summary Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the telomeric copy. [provided by RefSeq]

Other Designations H3 histone family, member M|H3 histone, family 2|OTTHUMP00000014041|histone 2, H3c

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.

Pathway

- [Systemic lupus erythematosus](#)