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HIST1H1D Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13745c

Specification

HIST1H1D Antibody (Center) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	P16402
Other Accession	NP_005311.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**22350**
Antigen Region	**135-164**

HIST1H1D Antibody (Center) - Additional Information

Gene ID 3007

Other Names
Histone H13, Histone H1c, Histone H1s-2, HIST1H1D, H1F3

Target/Specificity
This HIST1H1D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 135-164 amino acids from the Central region of human HIST1H1D.

Dilution
IHC-P~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
HIST1H1D Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

HIST1H1D Antibody (Center) - Protein Information

Name H1-3 (HGNC:4717)

Function Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber. Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers. Also acts as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity).

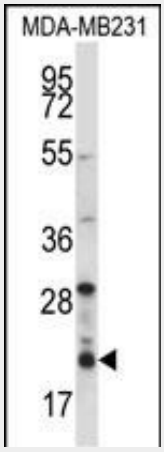
Cellular Location
Nucleus. Chromosome. Note=According to PubMed:15911621 more commonly found in euchromatin. According to PubMed:10997781 is associated with inactive chromatin

HIST1H1D Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HIST1H1D Antibody (Center) - Images



HIST1H1D Antibody (Center) (Cat. #AP13745c) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the HIST1H1D antibody detected the HIST1H1D protein (arrow).

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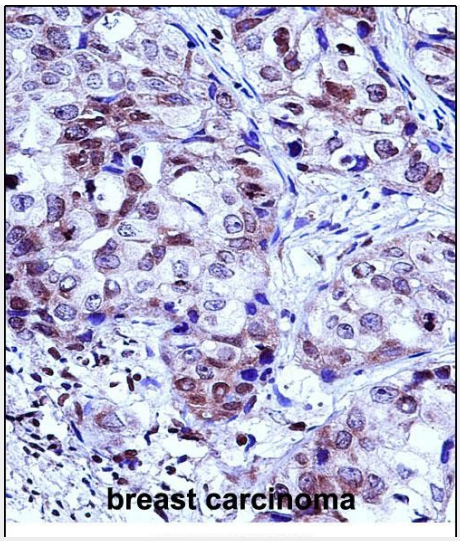

HIST1H1D Antibody (Center) (Cat. #AP13745c)immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of HIST1H1D Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

HIST1H1D Antibody (Center) - Background

Histones are basic nuclear proteins responsible for nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a member of the histone H1 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6.

HIST1H1D Antibody (Center) - References

Kim, J.J., et al. J. Hum. Genet. 55(1):27-31(2010)
Soranzo, N., et al. PLoS Genet. 5 (4), E1000445 (2009) :
Sovio, U., et al. PLoS Genet. 5 (3), E1000409 (2009) :
Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008)
Lettre, G., et al. Nat. Genet. 40(5):584-591(2008)