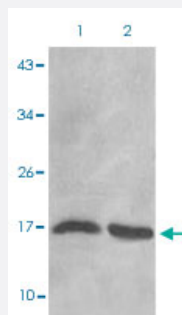


HIST1H3D (Di-methyl-K27) polyclonal antibody

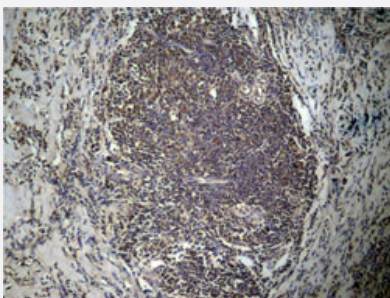
Catalog # PAB29623 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: C6 cells, Lane 2: Hela cells with HIST1H3D (Di-methyl-K27) polyclonal antibody (Cat# PAB29623) at 1:500-1:1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human breast cancer tissue with HIST1H3D (Di-methyl-K27) polyclonal antibody (Cat# PAB29623) under 1:50-1:100 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic Di-methyl-peptide of human HIST1H3D.
Immunogen	A synthetic Di-methyl-peptide (conjugated with KLH) corresponding to residues surrounding K27 of human HIST1H3D.
Host	Rabbit
Theoretical MW (kDa)	17
Reactivity	Human, Mouse, Rabbit
Form	Liquid

Purification	Affinity Chromatography
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg ²⁺ and Ca ²⁺), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — HIST1H3D

Entrez GeneID	8351
Protein Accession#	P68431
Gene Name	HIST1H3D
Gene Alias	H3/b, H3FB
Gene Description	histone cluster 1, H3d
Omim ID	602811
Gene Ontology	Hyperlink

Gene Summary

Histones are basic nuclear proteins that are responsible for the 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 H3 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. [provided by RefSeq]

Other Designations

H3 histone family, member B|OTTHUMP00000016149|histone 1, H3d

Pathway

- [Systemic lupus erythematosus](#)