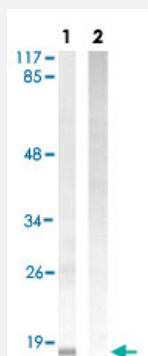


HIST1H3E (phospho T3) polyclonal antibody

Catalog # PAB16951

Size 100 ug

Applications

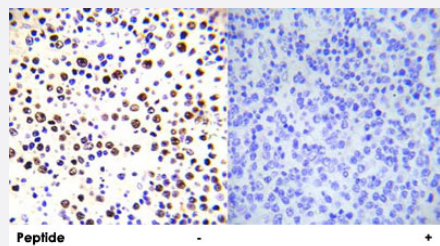


Western Blot (Cell lysate)

Western blot analysis of extracts from HUVEC cells treated with Serum.

Lane 1 : Using HIST1H3E (phospho T3) polyclonal antibody (Cat # PAB16951).

Lane 2 : Using the same antibody preincubated with synthesized peptide.



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

Immunohistochemical analysis of paraffin-embedded human malignant lymphoma tissue using HIST1H3E (phospho T3) polyclonal antibody (Cat # PAB16951).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of HIST1H3E.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding T3 of human HIST1H3E.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of HIST1H3E only when phosphorylated at Threonine 3.
Form	Liquid

Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:4000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM PBS, 0.15 M NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage 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

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — HIST1H3E

Entrez GeneID	8353
Protein Accession#	P68431
Gene Name	HIST1H3E
Gene Alias	H3.1, H3/d, H3FD
Gene Description	histone cluster 1, H3e
Omim ID	602813
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 D|histone 1, H3e

Publication Reference

- [PDGF-D is a specific, protease-activated ligand for the PDGF beta-receptor.](#)

Bergsten E, Uutela M, Li X, Pietras K, Ostman A, Heldin CH, Alitalo K, Eriksson U.

Nature Cell Biology 2001 May; 3(5):512.

- [Site-selective dephosphorylation of the platelet-derived growth factor beta-receptor by the receptor-like protein-tyrosine phosphatase DEP-1.](#)

Kovalenko M, Denner K, Sandstrom J, Persson C, Gross S, Jandt E, Vilella R, Bohmer F, Ostman A.

The Journal of Biological Chemistry 2000 May; 275(21):16219.

- [Structure-activity studies of phosphorylated peptide inhibitors of the association of phosphatidylinositol 3-kinase with PDGF-beta receptor.](#)

Ramalingam K, Eaton SR, Cody WL, Lu GH, Panek RL, Waite LA, Decker SJ, Keiser JA, Doherty AM.

Bioorganic & Medicinal Chemistry 1995 Sep; 3(9):1263.

Pathway

- [Systemic lupus erythematosus](#)