

Rabbit Histone H1.4 Monoclonal Antibody | anti-HIST1H1E antibody

Anti-Phospho-Histone H1.4 (T17) Rabbit Monoclonal Antibody

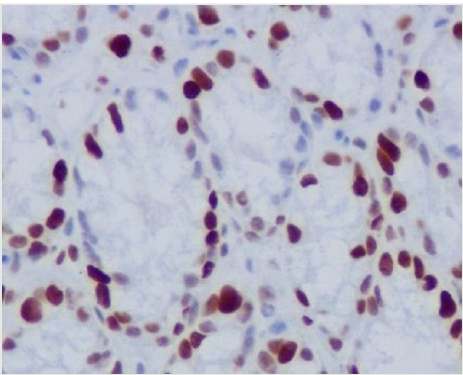
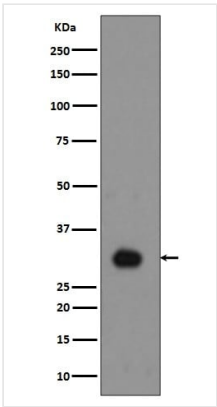
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124540	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

Histone H1.4; Monoclonal Antibody; Anti-Phospho-Histone H1.4 (T17) Rabbit Monoclonal Antibody; Histone H1b; Histone H1s-4; HIST1H1E; H1F4; anti-HIST1H1E antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	219
Applicable Applications for anti-HIST1H1E antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence)
Immunogen	A synthesized peptide derived from human Phospho-Histone H1.4 (T17)
Subcellular Localization	Nucleus. Chromosome. Mainly localizes in heterochromatin. Displays a punctuate staining pattern in the nucleus.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse colon, using Phospho-Histone H14 (T17) Antibody(AAA124540)HIST1H1E was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-HIST1H1E Antibody (AAA124540)overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

WB (Western Blot)
Western blot analysis of Phospho-Histone H14 (T17) expression in Jurkat cell lysate (AAA124540).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HIST1H1E monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for HIST1H1E

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H1E antibody	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. Acts also as a regulator of individual gene transcription through chromatin remodeling, nucleosome spacing and DNA methylation (By similarity).
Product Categories/Family for anti-HIST1H1E antibody	Epigenetics and Nuclear Signaling; DNA/RNA; DNA Damage & Repair; non homol. end joining; Epigenetics and Nuclear Signaling; histones; h1; unmodified

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885379
NCBI GeneID	3008
NCBI Accession #	NP_005312.1
NCBI GenBank Nucleotide #	NM_005321.2
UniProt Accession #	P10412; Q4VB25
Molecular Weight	21865 MW
NCBI Official Full Name	histone H1.4
NCBI Official Synonym Full Names	histone cluster 1 H1 family member e
NCBI Official Symbol	HIST1H1E
NCBI Official Synonym Symbols	H1E; H1.4; H1F4; RMNS; H1s-4; dJ221C16.5
NCBI Protein Information	histone H1.4
UniProt Protein Name	Histone H1.4
UniProt Gene Name	HIST1H1E
UniProt Synonym Gene Names	H1F4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/histone-h14-antibody-western-blot-immunocytochemistry-immunohistochemistry-immunofluorescence-elisa/124540>