

Rabbit Histone H3T11ph Polyclonal Antibody | anti-H3T11ph antibody

Histone H3T11ph antibody (pAb)

CATALOG # AAA59994	HOST Rabbit	REACTIVITY Human, Wide Range Predicted	APPLICATIONS Western Blot, Dot Blot
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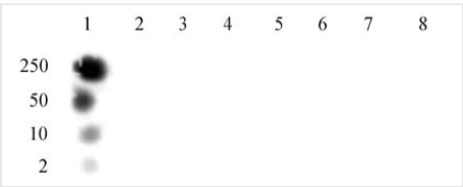
PRODUCT SYNONYMS

Histone H3T11ph; Polyclonal Antibody; Histone H3T11ph antibody (pAb); anti-H3T11ph antibody

PRODUCT SPECIFICATIONS

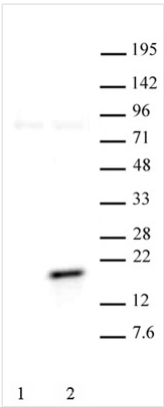
Host	Rabbit
Reactivity	Human, Wide Range Predicted
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic. For your convenience, an unpurified serum version of this antibody is also available.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-H3T11ph antibody	WB (Western Blot), DB (Dot Blot)
Conjugation	Phosphorylated
Immunogen	This Histone H3 phospho Thr11 antibody was raised against a peptide containing phospho-Thr11 of human histone H3.
Abs Residue	Thr
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



DB (Dot Blot)

Histone H3 phospho Thr11 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of Histone H3 phospho Thr11 pAb for phospho-Thr11 of histone H3. Decreasing amounts of peptides corresponding to regions around major sites of histone H3 threonine phosphorylation were spotted onto PVDF and probed with the antibody at a dilution of 0.5 ug/ml. Lane 1: Peptide phosphorylated at threonine 11. Lane 2: Unmodified threonine 11 peptide. Lane 3: Peptide phosphorylated at threonine 3. Lane 4: Peptide phosphorylated at threonine 6. Lane 5: Peptide phosphorylated at threonine 45. Lane 6: Peptide phosphorylated at threonine 80. Lane 7: Peptide phosphorylated at threonine 10. Lane 8: Peptide phosphorylated at threonine 28.



WB (Western Blot)

Histone H3 phospho Thr11 pAb tested by Western blot. Western blot probed with Histone H3 phospho Thr11 pAb (1 ug/ml dilution). Lane 1: 20 ug nuclear extract of HeLa cells. Lane 2: 20 ug nuclear extract of HeLa cells treated with colcemid.

ADDITIONAL INFORMATION

Related Product Information for anti-H3T11ph antibody	Short Description: Our Histone H3T11ph antibody (pAb) was raised in a Rabbit host. It has been validated for use in Dot blot and Western blot; it has been shown to react with Human samples, but it is predicted that it will react with a wide range of sample types. Background: Histone H3 is one of the core components of the nucleosome. The nucleosome is the smallest subunit of chromatin and consists of 147 base pairs of DNA wrapped around an octamer of core histone proteins (two each of Histone H2A, Histone H2B, Histone H3 and Histone H4). Chromatin is subject to a variety of chemical modifications, including post-translational modifications of the histone proteins and the methylation of cytosine residues in the DNA. Reported histone modifications include acetylation, methylation, phosphorylation, ubiquitylation, glycosylation, ADP-ribosylation, carbonylation and SUMOylation; these modifications play a major role in regulating gene expression. Phosphorylation of several residues of histone H3, such as Ser10 (Histone H3 phospho Ser10), Ser28 (Histone H3 phospho Ser28) and Thr11, is tightly correlated with chromosome condensation during both mitosis and meiosis. Localization of histone H3 phospho Thr11 is different in mammals and in plants. In plant cells, phosphorylation of Thr11 of histone H3 is distributed along the entire length of condensed chromosome. In mammals, this modification is restricted to the centromeric region of the chromosome. Thr11 of histone H3 is phosphorylated by Dlk/ZIP kinases during mitosis.
Product Categories/Family for anti-H3T11ph antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	28173560
NCBI GeneID	121504
NCBI Accession #	NP_778224; AB_2793549
NCBI GenBank Nucleotide #	NM_175054.2
UniProt Accession #	P62805; P02304; P02305; Q6DRA9; Q6FGB8; Q6NWP7; A2VCL0; Q0VAS5; Q6B823
Molecular Weight	11,367 Da
NCBI Official Full Name	histone H4
NCBI Official Synonym Full Names	histone cluster 4, H4
NCBI Official Symbol	HIST4H4
NCBI Official Synonym Symbols	H4/p; HIST1H4A; HIST1H4B; HIST1H4C; HIST1H4D; HIST1H4E; HIST1H4F; HIST1H4H; HIST1H4I; HIST1H4J; HIST1H4K; HIST1H4L; HIST2H4A; HIST2H4B; MGC24116

NCBI Protein Information	histone H4; histone 4, H4; OTTHUMP00000239323
UniProt Protein Name	Histone H4
UniProt Gene Name	HIST1H4A
UniProt Synonym Gene Names	H4/A; H4FA
UniProt Entry Name	H4_HUMAN

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/polyclonal/histone-h3t11ph-antibody-western-blot-dot-blot-elisa/59994>