

## Rabbit Histone H1.5S17ph Polyclonal Antibody | anti-H1.5S17ph antibody

Histone H1.5S17ph antibody (pAb)

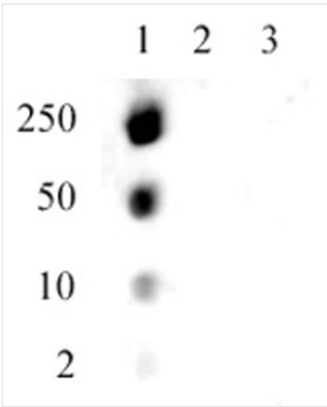
|                              |                       |                                                  |                                               |
|------------------------------|-----------------------|--------------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA59979</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Wide Range Predicted</b> | APPLICATIONS<br><b>Western Blot, Dot Blot</b> |
|------------------------------|-----------------------|--------------------------------------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

Histone H1.5S17ph; Polyclonal Antibody; Histone H1.5S17ph antibody (pAb); anti-H1.5S17ph antibody

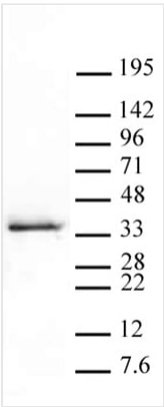
### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | Rabbit                                                                                                                                                                                                                                                                                    |
| Reactivity                                          | Human, Wide Range Predicted                                                                                                                                                                                                                                                               |
| Clonality                                           | Polyclonal                                                                                                                                                                                                                                                                                |
| Isotype                                             | IgG                                                                                                                                                                                                                                                                                       |
| Purity/Purification                                 | Affinity Purified                                                                                                                                                                                                                                                                         |
| Form/Format                                         | Purified IgG in 70mM Tris (pH8), 105mM NaCl, 31mM glycine, 0.07mM EDTA, 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.                                                                                                                                               |
| Applicable Applications for anti-H1.5S17ph antibody | WB (Western Blot), DB (Dot Blot)                                                                                                                                                                                                                                                          |
| Conjugation                                         | Phosphorylated                                                                                                                                                                                                                                                                            |
| Immunogen                                           | This Histone H1.5 phospho Ser17 antibody was raised against a peptide containing phospho Ser17 of human histone H1.5.                                                                                                                                                                     |
| Abs Residue                                         | Ser                                                                                                                                                                                                                                                                                       |
| 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 |



DB (Dot Blot)

Specificity Data: Dot blot analysis was used to confirm the specificity of the Histone H1.5 phospho Ser17 antibody. Peptides corresponding to the immunogen and related peptides were spotted onto PVDF and probed with the antibody at a dilution of 1:1,000. The amount of peptide (picomoles) spotted is indicated next to each row. Lane 1: phospho Ser17 peptide. Lane 2: unmodified Ser17 peptide. Lane 3: phospho Thr17 histone H1.4 peptide.



WB (Western Blot)

Western Blot: HeLa nuclear extract (20 ug per lane) probed with the Histone H1.5 phospho Ser17 antibody (pAb) at a dilution of 1:1,000.

ADDITIONAL INFORMATION

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|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-H1.5S17ph antibody | <p>Short Description: Our Histone H1.5S17ph 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.</p> <p>Background: 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). Histone H1 is a linker histone, present at the interface between the nucleosome core and DNA entry/exit points; it is responsible for establishing higher-order chromatin structure. 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; they play a major role in regulating gene expression. Histone H1.5 is an H1 isotype expressed in somatic cells and is heavily phosphorylated during mitosis. Phosphorylation of H1.5 at serine 17 appears in prometaphase and disappears in telophase. The hyperphosphorylated form of H1.5 is mainly chromatin-bound in metaphase when chromatin is maximally condensed. Phosphorylation of H1.5 at serine 17 can be catalyzed by GSK-3.</p> |
| Product Categories/Family for anti-H1.5S17ph antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                  |       |
|------------------|-------|
| Molecular Weight | 36kDa |
|------------------|-------|

**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-h15s17ph-antibody-western-blot-dot-blot-elisa/59979>