**ANTI-HISTONE H3 T32PH [CLONE: 6C7G12]**

**BACKGROUND**
Post-translation modifications of histones modulate the accessibility and transcriptional competence of specific chromatin regions within the eukaryotic genome. Phosphorylation of histone H3 is unique in the sense that it associates on one hand with open chromatin during gene activation and marks on the other hand highly condensed chromatin during mitosis.

**Product type** Primary antibodies
**Immunogen** Synthetic peptide corresponding to N-terminus region Thr32ph (aa 21-39) of human Histone H3, ATKAARKSAP(phT)GVKKPH
**Rased in** Rat
**Myeloma** SP2
**Clone number** 6C7G12
**Isotype** IgG2a, \( \kappa \)
**Host** -
**Source** Culture supernatant
**Purification** Ion-exchange chromatography
**Form** Liquid
**Storage buffer** PBS containing 50% Glycerol, 0.05% NaN₃ as a preservative
**Concentration** 1 mg / ml
**Volume** 100 ul
**Label** Unlabeled
**Specificity** Histone H3 T32p Epitope : phosphorylated Thr32 of Histone H3
**Cross reactivity** Human, Monkey, Mouse, Rat, Hamster
Other species have not been tested.
**Storage** Store below -20°C (below -70°C for prolonged storage)
Aliquot to avoid cycles of freeze/thaw.
**Other** Data Link : UniProtKB/Swiss-Prot P68431
* recommended positive controls is mammalian cell

**Application notes**
- Western blotting: 1/1000 – 1/5000
- Immunocytochemistry: 1/100 -1/500

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user.

**References**
1) Strahl and Allis, Nature. 2000 Jan 6;403(6765):41-5. PMID: 10638745
ANTIBODY CHARACTERIZATION

Fig. 1  The composition of Histone H3 peptides and the reactivity of Histone H3 T32ph antibody, 6C7G12.

Fig. 2  Western blot analysis of the treated-cell extracts using Histone H3 T32ph antibody, 6C7G12

Fig. 3  Immunocytochemical analysis of HeLa Cell using Histone H3 T32ph antibody, 6C7G12.

RELATED PRODUCTS:

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<thead>
<tr>
<th>Product Name</th>
<th>Clone</th>
<th>Application</th>
<th>Maker</th>
<th>Cat#</th>
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