

Product Datasheet

Histone H3 [p Ser10] Antibody (PHH3/471R) [HRP] NBP3-08511H

Unit Size: 100 ul

Store at 4C in the dark.

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NBP3-08511H

Histone H3 [p Ser10] Antibody (PHH3/471R) [HRP]

| Product Information | |
|-----------------------------|---|
| Unit Size | 100 ul |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C in the dark. |
| Clonality | Monoclonal |
| Clone | PHH3/471R |
| Preservative | No Preservative |
| Isotype | IgG |
| Conjugate | HRP |
| Purity | Protein A or G purified |
| Buffer | PBS |
| Product Description | |
| Host | Rabbit |
| Gene ID | 126961 |
| Gene Symbol | H3C14 |
| Species | Human |
| Marker | Nuclear Marker |
| Specificity/Sensitivity | Phosphohistone H3 (PHH3) is a marker specific for cells undergoing mitosis. Serine 10 of Histone H3 is phosphorylated in association with mitotic chromatin condensation in late G2 and M phase of the cell cycle and thus, PHH3 can distinguish mitosis from apoptotic nuclei. The range of percentage PHH3 positive tumor nuclei was from 0.0 to 6.6% (median value 0.8%). Increased expression of PHH3 was significantly associated with tumor thickness ($p = 0.031$), presence of tumor ulceration ($p = 0.041$) and tumor necrosis ($p = 0.027$), but not with Clarks level of invasion. High levels of PHH3 was associated with increased mitotic count ($p = 0.003$) and high Ki-67 expression ($p = 0.002$). For central nervous system tumors, melanoma, soft tissue tumors, GIST, etc., PHH3 mAb is helpful for tumor pathological classification and prognosis. |
| Immunogen | A synthetic peptide corresponding to (ARK-pS-TGGKAPRKQLc) of Phosphohistone H3 (phospho S10) (Uniprot: P68431) |
| Product Application Details | |
| Applications | Immunohistochemistry-Paraffin |
| Recommended Dilutions | Immunohistochemistry-Paraffin |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |



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Products Related to NBP3-08511H

| | |
|-------------------|---|
| NBP2-24891H | Rabbit IgG Isotype Control [HRP] |
| NB21-1202PEP | Histone H3 [Sym-dimethyl Arg2, Dimethyl Lys4] Antibody Blocking Peptide |
| H00008362-P01-2ug | Recombinant Human H4/d GST (N-Term) Protein |
| NB21-1251PEP | Histone H3 [Monomethyl Lys36] Antibody Blocking Peptide |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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