

Product Datasheet

HIST1H3A [p Ser10] Antibody (rPHH3/6824) [Alexa Fluor® 647] NBP3-14043AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 10/26/2023 v.20.1

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NBP3-14043AF647

HIST1H3A [p Ser10] Antibody (rPHH3/6824) [Alexa Fluor® 647]

| Product Information | |
|-------------------------|---|
| Unit Size | 0.1 ml |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C in the dark. |
| Clonality | Monoclonal |
| Clone | rPHH3/6824 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 Kappa |
| Conjugate | Alexa Fluor 647 |
| Purity | Protein A or G purified |
| Buffer | 50mM Sodium Borate |
| Product Description | |
| Host | Mouse |
| Gene ID | 8350 |
| Gene Symbol | H3C1 |
| 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) |



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|--------------|--|

| 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 NBP3-14043AF647

| | |
|-------------|---|
| IC002R | Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 647] |
| NBP2-06572 | HIST2H3C Overexpression Lysate |
| NBP2-07992 | HIST1H3A Overexpression Lysate |
| NB100-59787 | PML Protein Antibody - BSA Free |

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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