# Product Datasheet

## Histone H3 [p Ser10] Antibody (PHH3/471R) [Alexa Fluor® 750]

## NBP3-08511AF750

Unit Size: 100 ul

Store at 4C in the dark.

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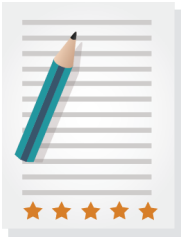

# NBP3-08511AF750

Histone H3 [p Ser10] Antibody (PHH3/471R) [Alexa Fluor® 750]

| 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** | 0.05% Sodium Azide |
| **Isotype** | IgG |
| **Conjugate** | Alexa Fluor 750 |
| **Purity** | Protein A or G purified |
| **Buffer** | 50mM Sodium Borate |

| 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) |

| | |
|---|---|
| **Notes** | Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet. |

## 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 NBP3-08511AF750

| | |
|---|---|
| NBP2-24891AF750 | Rabbit IgG Isotype Control [Alexa Fluor® 750] |
| NB21-1162PEP | Histone H3 [Dimethyl Lys23] 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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