

Product Datasheet

Histone H3 [p Ser10] Antibody (PHH3/471R) - Azide and BSA Free NBP3-08511

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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Updated 7/16/2024 v.20.1

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NBP3-08511

Histone H3 [p Ser10] Antibody (PHH3/471R) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PHH3/471R
Preservative	No Preservative
Isotype	IgG
Purity	Protein A or G purified
Buffer	1 mM PBS
Target Molecular Weight	15 kDa

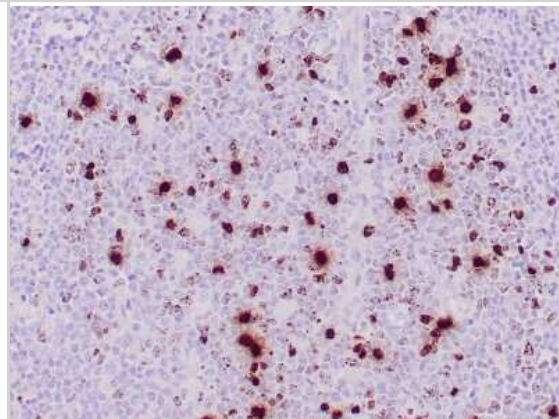
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-07398). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	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 1-2 ug/ml
Application Notes	Immunohistochemistry Formalin-fixed: 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

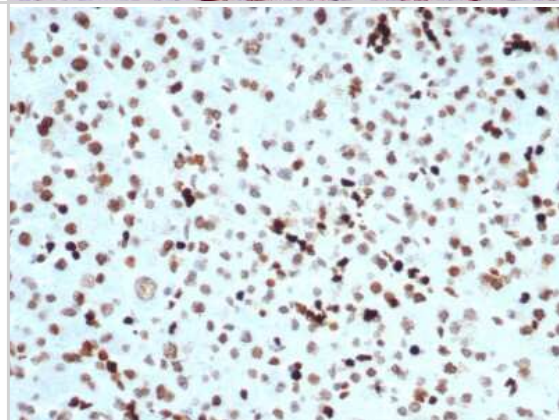


Images

Immunohistochemistry-Paraffin: Histone H3 Antibody (PHH3/471R) - Azide and BSA Free [NBP3-08511] - Formalin-fixed, paraffin-embedded human colon stained with Histone H3 Recombinant Rabbit Monoclonal Antibody (PHH3/471R).



Immunohistochemistry-Paraffin: Histone H3 Antibody (PHH3/471R) - Azide and BSA Free [NBP3-08511] - Formalin-fixed, paraffin-embedded human liver carcinoma in colon stained with Histone H3 Recombinant Rabbit Monoclonal Antibody (PHH3/471R).





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Products Related to NBP3-08511

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB21-1202PEP	Histone H3 [Sym-dimethyl Arg2, Dimethyl Lys4] 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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