

Rabbit anti-Human Histone H3, phosphorylated (pSer10) Monoclonal Antibody | anti-H3F3 antibody

Histone H3, phosphorylated (pSer10) (Nuclear Marker) Recombinant Rabbit Monoclonal Antibody [Clone PHH3/471R]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA216005	Rabbit	Human	Immunohistochemistry

PRODUCT SYNONYMS

Histone H3; phosphorylated (pSer10); Monoclonal Antibody; phosphorylated (pSer10) (Nuclear Marker) Recombinant Rabbit Monoclonal Antibody [Clone PHH3/471R]; phosphorylated (pSer10) (Nuclear Marker); Hist1h3a; HIST1H3B; HIST1H3C; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J; Histone cluster 1; H3a; Histone H3 3 pseudogene; Histone H3. 1; Histone H3/a; Histone H3/b; Histone H3/c; Histone H3/d; Histone H3/f; Histone H3/h; Histone H3/i; Histone H3/j; Histone H3/k; Histone H3/l; anti-H3F3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/IgG
Clone Number	PHH3/471R
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-H3F3 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	A synthetic peptide corresponding to (ARK-pS-TGGKAPRKQLc) of Phosphohistone H3 (phospho S10)
Cellular Localization	Nucleus, Chromosome
Positive Control	Human tonsil, liver or breast carcinoma.
Hu-chromosome Location	14q42.12
Unigene	132854
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human tonsil stained with Histone H3 (PHH3) Recombinant
Rabbit Monoclonal Antibody (PHH3/471R).

ADDITIONAL INFORMATION

Related Product Information for anti-H3F3 antibody	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 Clark's 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504281
NCBI GeneID	8350
NCBI Accession #	NP_003520.1
NCBI GenBank Nucleotide #	NM_003529.2
UniProt Accession #	P68431; P02295; P02296; P16106; Q6ISV8; Q6NWP8; Q6NWP9; Q6NXU4; Q71DJ3; Q93081; A0PJT7; A5PLR1
Molecular Weight	15,404 Da
NCBI Official Full Name	histone H3.1
NCBI Official Synonym Full Names	histone cluster 1, H3a
NCBI Official Symbol	HIST1H3A
NCBI Official Synonym Symbols	H3/A; H3FA
NCBI Protein Information	histone H3.1; histone H3/a; histone 1, H3a; H3 histone family, member A
UniProt Protein Name	Histone H3.1
UniProt Gene Name	HIST1H3A
UniProt Synonym Gene Names	H3FA
UniProt Entry Name	H31_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/histone-h3-phosphorylated-psr10-antibody-clone-phh3-471r-immunohistochemistry-elisa/216005>