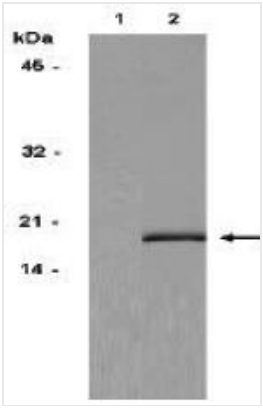
Histone H3 (HIST3H3) Antibody – Rabbit Polyclonal

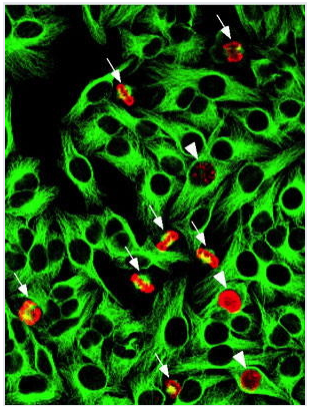
PRODUCT OVERVIEW

Product Name	Histone H3 (HIST3H3), Polyclonal Antibody
Full Product Name	Histone H3, Phosphorylated (Ser10) (Mitosis Marker) (APC)
Product Gene Name	anti-HIST3H3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human histone H3 phosphorylated at Serine 10 at ~17kD. Species Crossreactivity: mouse. Broad species reactivity expected due to sequence homology.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	136
Chromosome Location	Chromosome: 1; NC_000001.10 (228612546..228613026, complement). Location: 1q42
OMIM	602820
3D Structure	ModBase 3D Structure for Q16695
Immunogen	Linear peptide coresponding to human Histone H3 at Ser10
Conjugate	APC
Antigen Modification	Phosphorylated
Note	Preservative Free
Product Categories/Family for anti-HIST3H3 antibody	Antibodies; Histones
Applications Tested/Suitable for anti-HIST3H3 antibody	Immunocytochemistry (ICC), Western Blot (WB), Immunoprecipitation (IP)
Application Notes for anti-HIST3H3 antibody	ICC: 1:500 detected Histone H3 in HeLa and A431 cells. IP: 10ug specifically immunoprecipitated phosphorylated histone H3 from HeLa acid extract and Colcemid treated HeLa acid extracted RIPA lysate. Applications are based on unconjugated antibody. WB: 0.5-1ug/ml detected histone H3on 10ug of Colemid treated HeLa acid extract. Colemid treated HeLa acid was resolved by electrophoresis, transferred to PVDF and probed with.
Related Product Information for anti-HIST3H3 antibody	MBS6480723 is an antibody targeting HIST3H3. Also known as Histone H3, Phosphorylated (Ser10) (Mitosis Marker) (APC). Reactive in Human. Host: Rabbit.

Product References and Citations for anti-HIST3H3 antibody	1. Park, K.-S. et al., (2006). Am J Respir Cell Mol Biol. 34:151-157. 2. Akeno N., et al. 2014. Oncogene. 2014 Jan 27. doi: 10.1038/onc.2013. 589. [Epub ahead of print]. Other references: 1. Adams, R.R., et al., J. Cell Biol. 153: 865-880 (2001). 2. Canela, N., et al., J. Biol. Chem. 278: 1158-1164 (2003). 3. Seigel, P.M. et al., Proc Natl. Acad. Sci. USA 100: 8430-8435 (2003). 4. Wei, Y., et al., Cell 97: 99-109 (1999). 5. Miller, L.D., et al., Developmental Dynamics 231: 57-71 (2004). 6. Chadee, D.N., et al., J. Biol. Chem. 270: 20, 098-20, 105 (1995). 7. Ajiro, K., et al., J. Biol. Chem. 271: 13, 197-13, 201 (1996). 8. Mahadevan, L.C., et al., Cell 65: 775-783 (1991). 9. Hendzel, M.J., et al., Chromasoma 106: 348-360 (1997).
Other Notes	Small volumes of anti-HIST3H3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Testing Data of anti-HIST3H3 antibody
Normal HeLa nuclear extract (Lane 1) and acid-extracted protein from colcemid-arrested HeLa cells (Lane 2) were resolved by electorphoresis, transferred to nitrocellulose and probed with MBS630385 (0.5mg/ml).



Immunocytochemistry (ICC) of anti-HIST3H3 antibody
ICC: Asynchronously growing HeLa cells were stained with MBS630385 (red) and anti-tubulin (green)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HIST3H3. It may not necessarily be applicable to this product.

NCBI GI #	4504299
NCBI GeneID	8290
NCBI Accession #	NP_003484.1
UniProt Primary Accession #	Q16695
UniProt Secondary Accession #	Q6FGU4; B2R5K3
UniProt Related Accession #	Q16695
GenBank Nucleotide #	NM_003493.2
NCBI Official Full Name	histone H3.1t
NCBI Official Synonym Full Names	histone cluster 3, H3
NCBI Official Symbol	HIST3H3
NCBI Official Synonym Symbols	H3t; H3.4; H3/g; H3FT
UniProt Protein Name	Histone H3.1t
UniProt Synonym Protein Names	H3/g
Protein Family	Histone
UniProt Gene Name	HIST3H3
UniProt Synonym Gene Names	H3FT; H3/t; H3t
UniProt Entry Name	H31T_HUMAN

NCBI Protein Information	histone H3.1t; H3/t; histone 3, H3; H3 histone family, member T
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