

Rabbit anti-Human, Mouse Histone H3 Polyclonal Antibody | anti-HIST1H3A antibody

Rabbit anti-Phospho Histone H3 (S10) Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211652	Rabbit	Human, Mouse	Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Histone H3; Polyclonal Antibody; Rabbit anti-Phospho Histone H3 (S10) Antibody; Affinity Purified; Phospho (S10); Histone H3/c; Histone H3/k; Histone H3/l; Histone H3/j; Histone H3/i; Histone H3/h; Histone H3/f; Histone H3/d; H3/A; histone H3/a; histone H3.1; histone cluster 1; H3a; histone 1; H3FA; H3 histone family; member A; Histone H3/b; Histone H3.1; histone cluster 1 H3 family member a; anti-HIST1H3A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-HIST1H3A antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Predicted Reactivity	Rat, D. melanogaster, Zebrafish, X. laevis, X. tropicalis, Chicken, Bovine, Rabbit, Pig, Orangutan
Immunogen	Surrounding serine 10
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human Phospho Histone H3 (pS10) by western blot. A-549, HeLa, K-562, and Jurkat cell lines were stimulated with 0.5 ug/ml of Calyculin A at 37 degree C, 5% CO₂ for 15 minutes. Cells were subsequently lysed and 1 ug of appropriate cell lysates were loaded into respective wells. Western blot was performed using affinity purified rabbit anti-Histone H3 (pS10) antibody AAA211652 (20 ng/ml) and affinity purified rabbit anti-Histone H3 antibody (1 ug/ml; Cat. No. Western blots were developed utilizing chemiluminescence with an exposure time of 30 seconds.



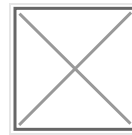
IHC (Immunohistochemistry)

Detection of human and mouse Histone H3 (S10) by immunohistochemistry. Sample: FFPE section of human colon carcinoma (left) and mouse squamous cell carcinoma (right). Antibody: Affinity purified rabbit anti-Phospho Histone H3 (S10)(Cat. No. AAA211652 Lot1) used at a dilution of 1:2,500 (0.08 ug/ml). Detection: DAB



ICC (Immunocytochemistry)

Detection of human Phospho Histone H3 (S10) by immunocytochemistry. Samples: NBF-fixed asynchronous HeLa cells. Antibody: Affinity purified rabbit anti-Phospho Histone H3 (S10) (Cat. No. AAA211652 Lot1) used at a dilution of 1:2,500 (0.08ug/ml). Detection: Green fluorescent goat antirabbit IgG-FITC conjugated (Cat. No. used at a dilution of 1:100.



FCM/FACS (Flow Cytometry)

Detection of Phospho Histone H3 (pS10). Asynchronous Jurkat cells were fixed in 1.5% PFA and permeabilized in 90% methanol. 1×10^6 cells were stained with 0.4 ug anti-phospho Histone H3 (S10) [AAA211652] in a 150 ul reaction.

ADDITIONAL INFORMATION

Related Product Information for anti-HIST1H3A antibody	Histone H3 is one of four histone proteins that assemble into an octamer to form the nucleosome core and serve to spool and compact DNA into chromatin. Histones are subject to a complex set of post-translational modifications (acetylation, methylation, phosphorylation, ubiquitination, sumoylation, citrullination, and ADP ribosylation) that are important to the regulation of gene transcription, DNA replication, and DNA repair.
Product Categories/Family for anti-HIST1H3A antibody	Primary Antibodies

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/histone-h3-antibody-flow-cytometry-immunocytochemistry-immunohistochemistry-western-blot-elisa/211652>