

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

Rabbit anti-Histone H3 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23775	Rabbit	Human, Mouse	Western Blot, Immunoprecipitation, Immunohistochemistry, Immunohistochemistry

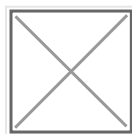
PRODUCT SYNONYMS

Histone H3; Polyclonal Antibody; Rabbit anti-Histone H3 Antibody; Affinity Purified; 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

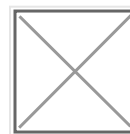
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Concentration	200ug/ml (varies by lot)
Applicable Applications for anti-HIST1H3A antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Application Notes	WB: 1:2000-1:10,000 IP: 6ug/mg lysate IHC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 or Tris-EDTA pH 9.0 is recommended for FFPE tissue sections. IHC-IF: 1:100-1:500
Predicted Reactivity	Rat, D. melanogaster, Zebrafish, X. laevis, X. tropicalis, Chicken, Bovine, Rabbit, Pig, Orangutan
Immunogen	Between 86 and C-terminus
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 Histone H3 by western blot. Samples: Whole cell lysate (10 ug) from HeLa Histone Extract, MDA-MB-231, Hep-G2, A-549, and RKO cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Histone H3 antibody (AAA23775 lot 4) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



WB (Western Blot)

Detection of mouse Histone H3 by western blot. Samples: Whole cell lysate (10 ug) from CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-Histone H3 antibody (AAA23775 lot 4) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



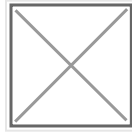
IP (Immunoprecipitation)

Detection of human Histone H3 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg per IP; 5% of IP loaded) from HeLa cells histone extract. Antibodies: Affinity purified rabbit anti-Histone H3 antibody (AAA23775 lot 4) used for IP at 6 ug per reaction. Histone H3 was also immunoprecipitated by a previous lot of this antibody (AAA23775 lot 3) and a second antibody against a different epitope of Histone H3. For blotting immunoprecipitated Histone H3, AAA23775 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



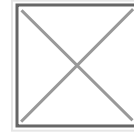
IHC (Immunohistochemistry)

Detection of human Histone H3 by immunohistochemistry. Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-Histone H3 (AAA23775) used at a dilution of 1:200 (1ug/ml). Detection: Red-fluorescent goat anti-rabbit IgG-heavy and light chain, cross-adsorbed Antibody DyLight 594 Conjugated (Cat. No. used at a dilution of 1:100



IHC (Immunohistochemistry)

Detection of human Histone H3 by immunohistochemistry. Sample: FFPE section of mouse renal cell carcinoma. Antibody: Affinity purified rabbit anti-Histone H3 used at a dilution of 1:200 (1ug/ml). Detection: DAB



IHC (Immunohistochemistry)

Detection of human Histone H3 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-Histone H3 used at a dilution of 1:200 (1ug/ml). Detection: DAB

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/histone-h3-antibody-western-blot-immunoprecipitation-immunohistochemistry-immunohistochemistry-elisa/23775>