

Product Datasheet

HIST1H2AD Antibody - BSA Free NBP3-11870-50ug

Unit Size: 50 ug

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NBP3-11870-50ug

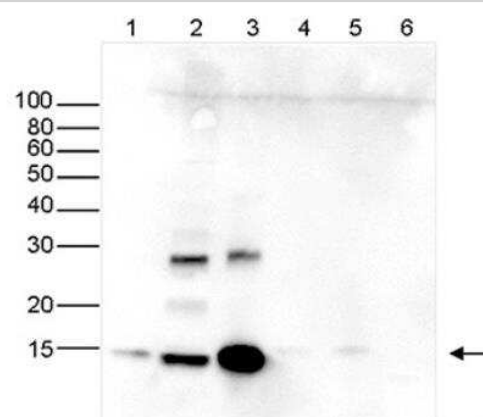
HIST1H2AD Antibody - BSA Free

Product Information	
Unit Size	50 ug
Concentration	4 mg/ml
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide and 0.05% ProClin 300
Purity	Affinity purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene Symbol	H2AC7
Species	Human
Immunogen	Polyclonal antibody raised in rabbit against HIST1H2AD using a KLH-conjugated synthetic peptide containing an unmodified sequence from the C-terminal part of the protein.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:2000, ELISA 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:500, Chromatin Immunoprecipitation (ChIP) 1-2ug/ChIP



Images

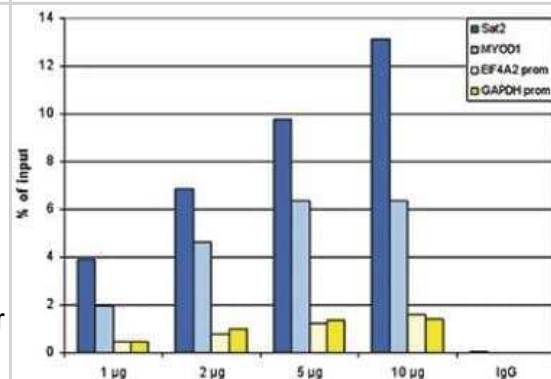
Western Blot: HIST1H2AD Antibody [NBP3-11870] - Western blot was performed on whole cell (25 ug, lane 1) and histone extracts (15 ug, lane 2) from HeLa cells, and on 1 ug of recombinant histone H2A, H2B, H3 and H4 (lane 3, 4, 5 and 6, respectively) using NBP3-11870. The antibody was diluted 1:2,000 in TBS-Tween containing 5% skimmed milk. The position of the protein of interest is indicated on the right; the marker (in kDa) is shown on the left.



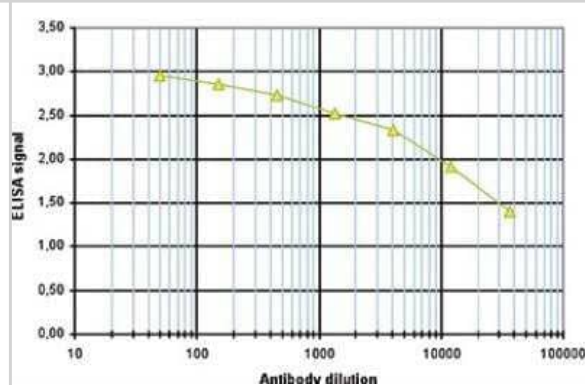
Immunocytochemistry/Immunofluorescence: HIST1H2AD Antibody [NBP3-11870] - HeLa cells were stained with NBP3-11870 and with DAPI. Cells were fixed with 4% formaldehyde for 10' and blocked with PBS/TX-100 containing 5% normal goat serum and 1% BSA. The cells were immunofluorescently labeled with the antibody (left) diluted 1:500 in blocking solution followed by an anti-rabbit antibody conjugated to Alexa488. The middle panel shows staining of the nuclei with DAPI. A merge of the two stainings is shown on the right.



Chromatin Immunoprecipitation: HIST1H2AD Antibody [NBP3-11870] - ChIP assays were performed using human HeLa cells, NBP3-11870 and optimized PCR primer sets for qPCR. ChIP was performed on sheared chromatin from 1 million cells. A titration of the antibody consisting of 1, 2, 5, and 10 ug per ChIP experiment was analysed. IgG (5 ug/IP) was used as negative IP control. QPCR was performed with primers for the GAPDH and EIF4A2 promoters, used as negative controls and for the inactive MYOD1 gene and the Sat2 satellite repeat, used as positive controls. Figure 1 shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).



ELISA: HIST1H2AD Antibody [NBP3-11870] - To determine the titer of the antibody, an ELISA was performed using a serial dilution of NBP3-11870 in antigen coated wells. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:32,500.





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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]

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