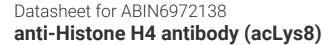
antibodies .- online.com





100 μg



Images



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Quantity:

Target:	Histone H4	
Binding Specificity:	acLys8	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Histone H4 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP), Dot Blot (DB), Immunocytochemistry (ICC), ChIP DNA-Sequencing (ChIP-seq)	
Product Details		
	This Histone H4 acetyl Lys8 antibody was raised against a peptide containing acetyl Lys8 of human Histone H4.	
Immunogen:		
Immunogen: Isotype:		

ADP-ribosylation, carbonylation and SUMOylation, they play a major role in regulating gene expression. Lysine N-e-acetylation is a dynamic, reversible and tightly regulated protein and histone modification that plays a major role in chromatin remodeling and in the regulation of gene expression in various cellular functions. The chromatin-remodeling complex SWI/SNF is recruited to promoters through the interaction of the bromodomain of the protein BRG1, belonging to the SWI/SNF complex, and CBP-acetylated histone H4 Lysine 8, leading to a chromatin remodeling. Histone H4K8ac antibody (pAb) was raised in a Rabbit host. It has been validated for use in Chromatin Immunoprecipitation, ChIP-Seq, Dot blot, Immunocytochemistry, Immunofluorescence and Western blot, it has been shown to react with Human and Mouse samples, but it is predicted that it will react with a wide range of sample types.

Purification:

Protein A Chromatography

Target Details

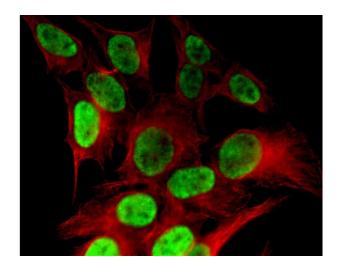
Target:	Histone H4
Abstract:	Histone H4 Products
Molecular Weight:	8 kDa
NCBI Accession:	NP_778224

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.	
Restrictions:	For Research Use only	

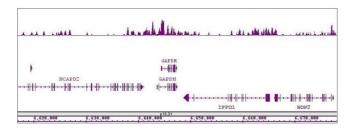
Handling

Buffer:	Purified IgG in PBS with 30 % glycerol and 0.035 % sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at - 20°C for up to 2 years. Keep all reagents on ice when not in storage.	



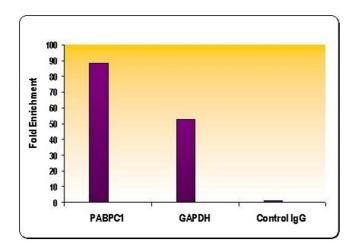
Immunofluorescence

Image 1. Histone H4K8ac antibody (pAb) tested by immunofluorescence. HeLa cells stained with Histone H4K8ac antibody (green) at a $1 \mu g/mL$ dilution. Tubulin staining was done with our alpha Tubulin antibody,(red) at a 1:1,000 dilution.



ChIP DNA-Sequencing

Image 2. Histone H4K8ac antibody (pAb) tested by ChIP-Seq. ChIP was performed using the ChIP-IT High Sensitivity Kit with 30 μ g of chromatin from a human medulloblastoma cell line and 4 μ g of antibody. ChIP DNA was sequenced on the Illumina HiSeq and 19 million sequence tags were mapped to identify Histone H4K8ac binding sites. The image shows binding across a region of chromosome 12.



Chromatin Immunoprecipitation

Image 3. Histone H4K8ac antibody (pAb) tested by Chromatin IP. ChIP performed using HeLa Chromatin (1.5 x 106 cell equivalents per ChIP) and 10 µg of Histone H4 acetyl Lys8 antibody (pAb) or the equivalent amount of rabbit IgG as a negative control. Real time, quantitative PCR (RT-qPCR) was performed on DNA purified from each of the ChIP reactions using a primer pair specific for either the PABPC1 gene or the GAPDH gene. Data are presented as Fold Enrichment of the ChIP antibody signal versus the negative control IgG using the ddCT method.

Please check the product details page for more images. Overall 5 images are available for ABIN6972138.