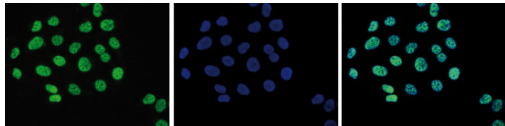


H3K9ac Polyclonal Antibody

Product Details	
Size	50 µg
Species Reactivity	Algae, Arthropod, Human, Mouse, Plant, Pig, Zebrafish
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	H3K9ac synthetic peptide
Form	Liquid
Concentration	1.35 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.05% sodium azide, 0.05% ProClin 300
Storage conditions	-20°C or -80°C if preferred
RRID	AB_2902358

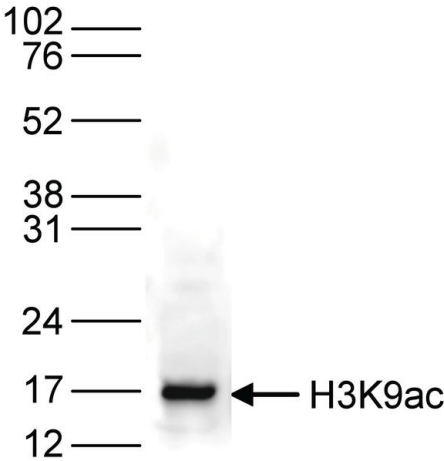
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunocytochemistry (ICC/IF)	1:500	-
ELISA (ELISA)	1:1,000	-
ChIP assay (ChIP)	1-2 µg	-
ChIP-sequencing (ChIP-Seq)	1-2 µg	-
Dot blot (DB)	1:20,000	-

Product Images For H3K9ac Polyclonal Antibody



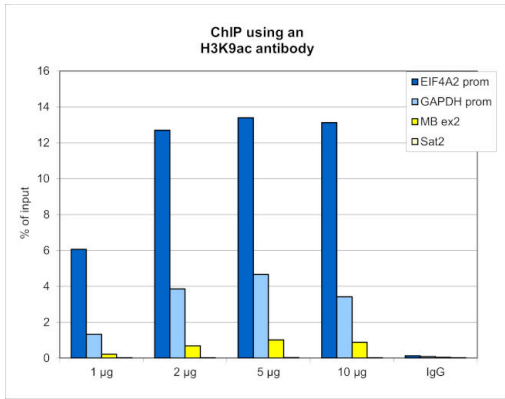
H3K9ac Antibody (PA5-117740) in ICC/IF

Immunocytochemical analysis of H3K9ac in HeLa cells using a H3K9ac polyclonal antibody (Product # PA5-117740). The cells were fixed with 4% formaldehyde for 10 minutes and blocked with PBS/TX-100 containing 5% normal goat serum and 1% BSA. The cells were immunofluorescently labelled with the H3K9ac 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.



H3K9ac Antibody (PA5-117740) in WB

Western blot analysis of H3K9ac in 15 µg of HeLa cell histone extract using a H3K9ac polyclonal antibody (Product # PA5-117740) at a dilution of 1:1,000 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.



H3K9ac Antibody (PA5-117740) in ChIP

ChIP assay of H3K9ac in Hela cells using a H3K9ac polyclonal antibody (Product # PA5-117740). The ChIP assays were optimized primer pairs for qPCR and performed with sheared chromatin from 1 million cells. A titration consisting of 1, 2, 5 and 10 g of antibody per ChIP experiment was analyzed. IgG (2 g/IP) was used as a negative IP control. Quantitative PCR was performed with primers specific for the promoter of the active genes GAPDH and EIF4A2, used as positive controls, and for exon 2 of the inactive myoglobin (MB) gene and the Sat2 satellite repeat, used as negative controls. The figure shows the recovery, expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis). These results are in accordance with the observation that acetylation of K9 at histone H3 is associated with the promoters of active genes.

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