



# Rabbit anti-Human Histone H4 polyclonal antibody (DPABH-25293)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.
<b>Specificity</b>	All known acetylated isoforms of histone H4.
<b>Immunogen</b>	Synthetic peptide: NSGRGAcKGGAcKGLGAcKGAAcKRHYCC conjugated to KLH acetylated at lysines 5,8,12,16.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Whole antiserum
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB, ICC/IF, IP
<b>Format</b>	Liquid
<b>Size</b>	50 µl
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

# GENE INFORMATION

Gene Name	<a href="#">HIST4H4 histone cluster 4, H5 [ Homo sapiens ]</a>
Official Symbol	HIST4H4
Synonyms	HIST4H4; histone cluster 4, H4; H4/p; histone H4; histone 4, H4;
Entrez Gene ID	<a href="#">121504</a>
Protein Refseq	<a href="#">NP_778224.1</a>
UniProt ID	<a href="#">B2R4R0</a>
Pathway	Alcoholism; Amyloids; Cell Cycle, Mitotic; Cellular responses to stress