Recombinant Histone H4 (CT) Monoclonal Antibody

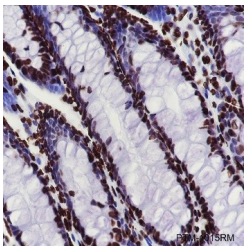
catalog number: AN301940L

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

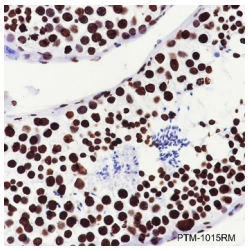
Description

Reactivity	Human;Rat;Mouse;Yeast;Pig
Immunogen	Synthetic peptide corresponding to the C-terminus of human histone H4 protein
Host	Rabbit
Isotype	IgG, κ
Clone	A656
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

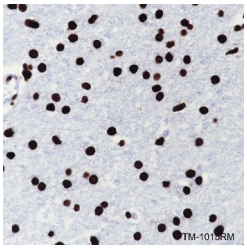
Applications	Recommended Dilution
WB	1:2000-1:10000
IHC	1:50-1:100



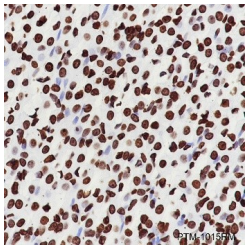
Immunohistochemistry of paraffin-embedded Human colon using Histone H4 Monoclonal Antibody at dilution of 1:100.



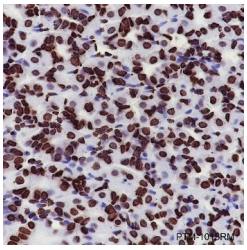
Immunohistochemistry of paraffin-embedded Human testis using Histone H4 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human cerebrum using Histone H4 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Rat stomach using Histone H4 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Mouse stomach using Histone H4 Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com
Tel: 1-832-243-6086
Email: techsupport@elabscience.com
Fax: 1-832-243-6017

Background

Histones are a family of basic proteins that form the core of the nucleosome – the fundamental structural unit of chromatin. In a single nucleosome, core histone proteins H2A, H2B, H3, and H4 form an octamer around which the DNA is tightly wrapped. Histone proteins not only serve to compact chromosomal DNA but also play vital roles in the dynamic and long-term regulation of genes by a wide variety of post-translational modifications (PTMs). These PTMs including acetylation, methylation, phosphorylation, and novel acylations directly affect the accessibility of chromatin to transcription factors and other epigenetic regulators, altering genome stability and gene transcription. Histone H4 is primarily acetylated at Lys5, 8, 12, and 16, and methylated at Lys20.

Toll-free: 1-888-852-8623
Web: www.elabscience.com
Tel: 1-832-243-6086
Email: techsupport@elabscience.com
Fax: 1-832-243-6017