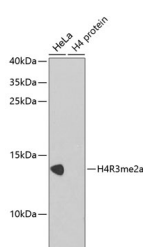


Asymmetric DiMethyl-Histone H4-R3 Polyclonal Antibody

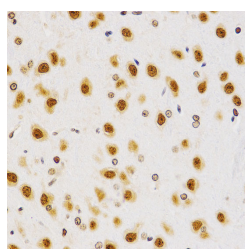
Catalog No.	E-AB-67458	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,IHC,IF	Isotype	IgG

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

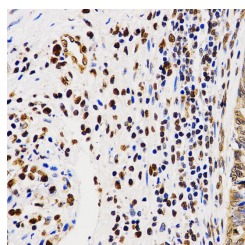
Images



Western blot analysis of extracts of various cell lines using Asymmetric DiMethyl-Histone H4-R3 Polyclonal Antibody.



Immunohistochemistry of paraffin-embedded Rat brain using Asymmetric DiMethyl-Histone H4-R3 Polyclonal Antibody at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded Human rectal cancer using Asymmetric DiMethyl-Histone H4-R3 Polyclonal Antibody at dilution of 1:200 (40x lens).

Immunogen Information

Immunogen	A synthetic methylated peptide corresponding to residues surrounding Arg3 of human histone H4
GeneID	8370
Swissprot	P62805
Synonyms	FO108,H4,H4/n,H4F2,H4FN,HIST2H4,Histone H4,HIST1H4A,HIST2H4A

Product Information

Calculated MW	11kDa
Observed MW	13kDa
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purify	Affinity purification
Dilution	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200

Background

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.