

Rabbit anti-Asymmetric DiMethyl-Histone H4-R3 Polyclonal Antibody

Catalog Number: R16055P

General Information	
Immunogen	A synthetic methylated peptide corresponding to residues surrounding Arg3 of human histone H4
IgG type	IgG
Clonality	Polyclonal
Specificity	Human DiMethyl-Histone H4-R3
Applications & dilution	WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP 1:50 - 1:100
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity	≥95% purity by SDS-PAGE
Storage	Store at -20°C. Avoid freeze / thaw cycles.
Abbreviation: ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immunohistochemistry; IF: immunofluorescence. WB: western blot; FC: flowcytometry	

Background

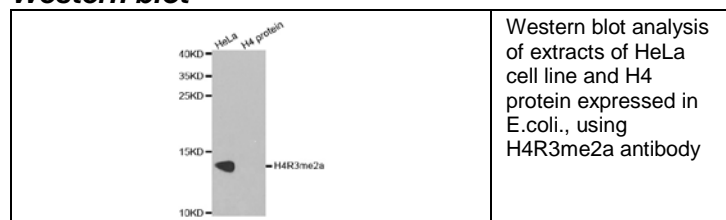
Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber 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 member of the histone H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element.

Preparation

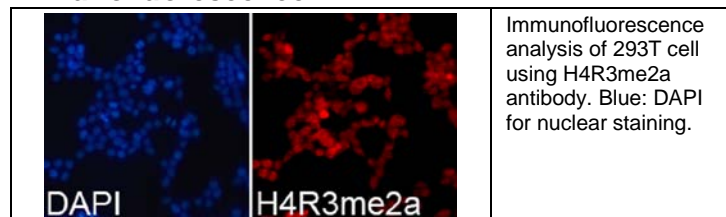
Polyclonal antibody is produced by immunizing rabbit with a synthetic methylated peptide corresponding to residues surrounding Arg3 of human histone H4 and purified using protein A resin.

Applications

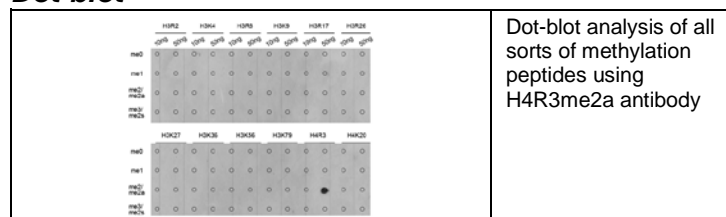
Western blot



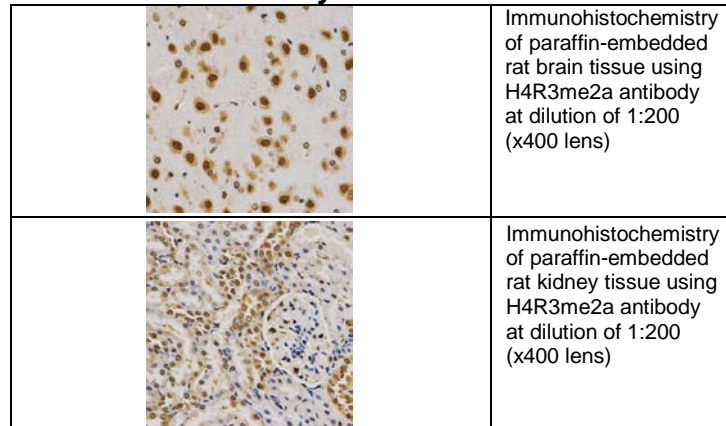
Immunofluorescence



Dot-blot

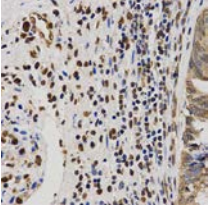
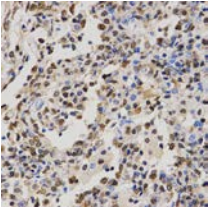


Immunohistochemistry



For research use only

Immunohistochemistry

	Immunohistochemistry of paraffin-embedded human rectal cancer tissue using H4R3me2a antibody at dilution of 1:200 (x400 lens)
	Immunohistochemistry of paraffin-embedded human lung cancer tissue using H4R3me2a antibody at dilution of 1:200 (x400 lens)

Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

Hazard/Biohazard

This antibody contains 0.02% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

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