

Rabbit H4R3me2a Antibody | anti-H4R3me2a antibody

Histone H4R3me2a Polyclonal Antibody

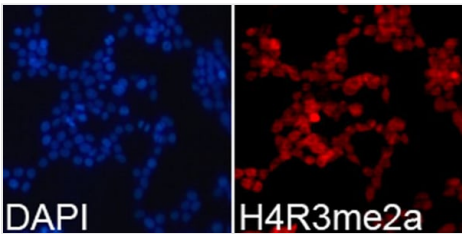
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10661	Rabbit	Human, Mouse, Rat, Other (Wide Range)	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

PRODUCT SYNONYMS

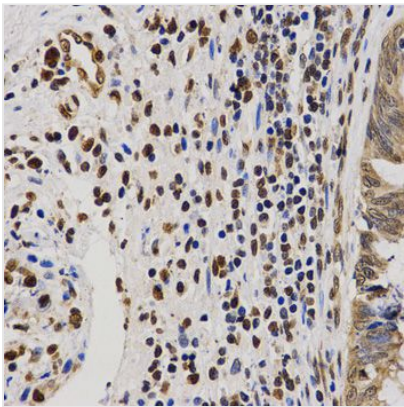
H4R3me2a; Histone H4R3me2a Polyclonal Antibody; Asymmetric DiMethyl-Histone H4-R3: H3t; H3.4; H3/g; H3FT; anti-H4R3me2a antibody

PRODUCT SPECIFICATIONS

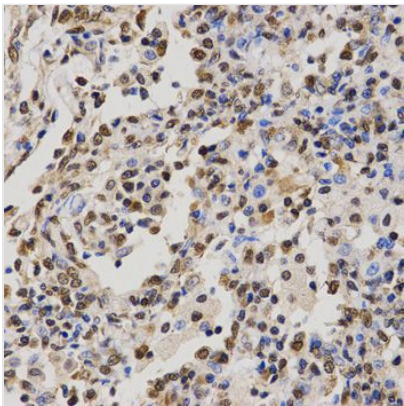
Host	Rabbit
Reactivity	Human, Mouse, Rat, Other (Wide Range)
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	103
Applicable Applications for anti-H4R3me2a antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF: 1:50 - 1:200 IP: 1:50 - 1:100
Species	Human
Route	Synthetic Peptide
Immunogen	A synthetic methylated peptide corresponding to residues surrounding Arg3 of human histone H4
Calculated Molecular Weight	11kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.



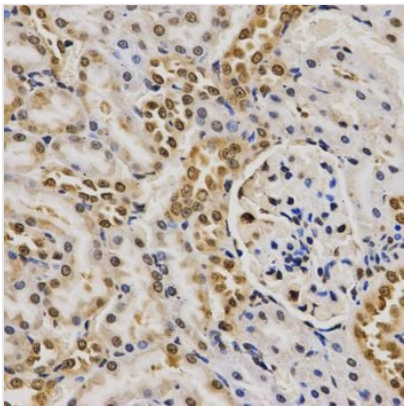
IF (Immunofluorescence)
Immunofluorescence analysis of 293T cells using Asymmetric DiMethyl-Histone H4-R3 antibody. Blue: DAPI for nuclear staining.



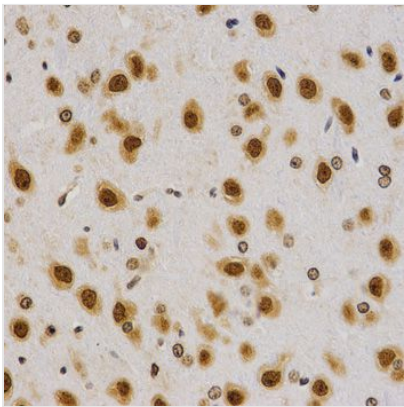
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human rectal cancer using Asymmetric DiMethyl-Histone H4-R3 antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human lung cancer using Asymmetric DiMethyl-Histone H4-R3 antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat kidney using Asymmetric DiMethyl-Histone H4-R3 antibody at dilution of 1:200 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat brain using Asymmetric DiMethyl-Histone H4-R3 antibody at dilution of 1:200 (40x lens).

	H3R2		H3K4		H3R8		H3K9		H3R17		H3R26	
	10ng	50ng	10ng	50ng	10ng	50ng	10ng	50ng	10ng	50ng	10ng	50ng
me0	○	○	○	○	○	○			○	○		
me1	○	○	○	○	○	○	○	○	○	○	○	○
me2/ me2a	○	○	○	○	○	○	○	○	○	○	○	○
me3/ me2s	○	○	○	○	○	○	○	○	○	○	○	○

	H3K27		H3K36		H3K56		H3K79		H4R3	H4K20		
	10ng	50ng	10ng	50ng	10ng	50ng	10ng	50ng	10ng	50ng	10ng	50ng
me0	○	○	○	○	○	○	○	○	○	○	○	○
me1	○	○	○	○	○	○	○	○	○	○	○	○
me2/ me2a	○	○	○	○	○	○	○	○	●	○	○	○
me3/ me2s	○	○	○	○	○	○	○	○	○	○	○	○

DB (Dot Blot)
Dot-blot analysis of all sorts of methylation peptides using Asymmetric DiMethyl-Histone H4-R3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-H4R3me2a antibody

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51317339
NCBI GeneID	8370
UniProt Accession #	P62805; P02304; P02305; Q6DRA9; Q6FGB8; Q6NWP7; A2VCL0
NCBI Official Full Name	Histone H4
NCBI Official Synonym Full Names	histone cluster 2, H4a
NCBI Official Symbol	HIST2H4A
NCBI Official Synonym Symbols	H4; H4/n; H4F2; H4FN; FO108; HIST2H4
NCBI Protein Information	histone H4; histone 2, H4a; H4 histone, family 2; histone IV, family 2; H4 histone family, member N
UniProt Protein Name	Histone H4
UniProt Gene Name	HIST1H4A
UniProt Synonym Gene Names	H4/A; H4FA
UniProt Entry Name	H4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-human-mouse-rat-antibody/h4r3me2a/10661>