

Rabbit Symmetric DiMethyl-Histone H3-R8 Monoclonal Antibody | anti-H3-R8 antibody

Symmetric DiMethyl-Histone H3-R8 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282224	Rabbit	Human, Mouse, Rat	Chromatin Immunoprecipitation, Immunoprecipitation, Western Blot

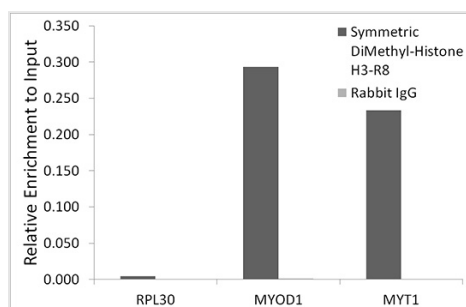
PRODUCT SYNONYMS

Symmetric DiMethyl-Histone H3-R8; Monoclonal Antibody; Symmetric DiMethyl-Histone H3-R8 Rabbit pAb; H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A; anti-H3-R8 antibody

PRODUCT SPECIFICATIONS

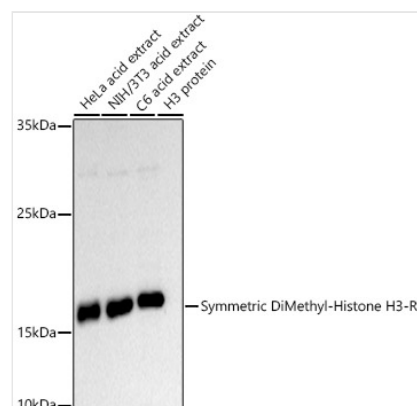
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1, Kappa
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Applicable Applications for anti-H3-R8 antibody	ChIP (Chromatin immunoprecipitation), WB (Western Blot)
Positive Samples	HeLa, NIH/3T3, C6, H3
Immunogen	A synthetic symmetric dimethylated peptide around R8 of human histone H3 (NP_003520.1).
Cellular Location	Chromosome, Nucleus
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ChIP (Chromatin Immunoprecipitation)

Chromatin immunoprecipitation analysis of extracts of HeLa cells, using Symmetric DiMethyl-Histone H3-R8 antibody and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Symmetric DiMethyl-Histone H3-R8 antibody at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-H3-R8 antibody	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 H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3.
Product Categories/Family for anti-H3-R8 antibody	Signal Transduction; MAPK-Erk Signaling Pathway; MAPK-P38 Signaling Pathway; Cell Biology & Developmental Biology; Cell Cycle; Immunology & Inflammation; NF-κB Signaling Pathway; Methylated Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	72198189
NCBI GeneID	596
NCBI Accession #	NP_000624.2
NCBI GenBank Nucleotide #	NM_000633.2
UniProt Accession #	P10415; P10416; Q13842; Q16197
Molecular Weight	26,266 Da
NCBI Official Full Name	apoptosis regulator Bcl-2 alpha isoform
NCBI Official Synonym Full Names	B-cell CLL/lymphoma 2
NCBI Official Symbol	BCL2
NCBI Official Synonym Symbols	Bcl-2; PPP1R50
NCBI Protein Information	apoptosis regulator Bcl-2; protein phosphatase 1, regulatory subunit 50
UniProt Protein Name	Apoptosis regulator Bcl-2
UniProt Gene Name	BCL2
UniProt Entry Name	BCL2_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/monoclonal/symmetric-dimethyl-histone-h3-r8-antibody-chromatin-immunoprecipitation-western-blot-elisa/282224>