

Rabbit anti-Human MonoMethyl-Histone H3-R2 Monoclonal Antibody | anti-H3 antibody

MonoMethyl-Histone H3-R2 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283350	Rabbit	Human	ELISA, Dot Blot, Western Blot

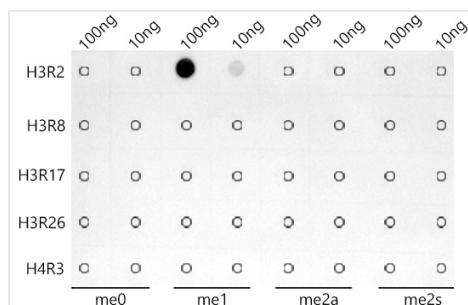
PRODUCT SYNONYMS

MonoMethyl-Histone H3-R2; Monoclonal Antibody; MonoMethyl-Histone H3-R2 Rabbit mAb; H3/A; H3C2; H3C3; H3C4; H3C6; H3C7; H3C8; H3FA; H3C10; H3C11; H3C12; HIST1H3A; anti-H3 antibody

PRODUCT SPECIFICATIONS

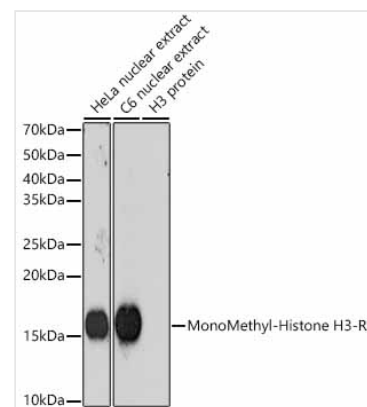
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MARTKQTARK STGGKAPRKQ LATKAARKSA PATGGVKKPH RYRPGTVALR EIRRYQKSTE LLIRKLPFQR LVREIAQDFK TDLRFQSSAV MALQEACEAY
Applicable Applications for anti-H3 antibody	ELISA, DB (Dot Blot), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat, Other (Wide Range Predicted)
Immunogen	A synthetic monomethylated peptide around R2 of human Histone H3 (Q16695).
Modification	MonoMethyl R2
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



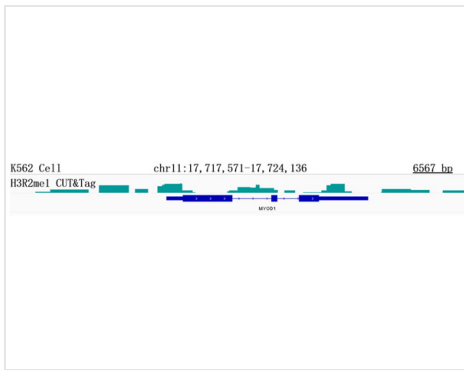
DB (Dot Blot)

Dot-blot analysis of all sorts of peptides using MonoMethyl-Histone H3-R2 antibody (AAA283350) at 1:1000 dilution.



WB (Western Blot)

Western blot analysis of various lysates using MonoMethyl-Histone H3-R2 Rabbit mAb (AAA283350) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Application Data
 CUT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina(RK20265) from 10⁷ K562 cells with 1 ug MonoMethyl-Histone H3-R2 antibody (AAA283350) , along with a Goat Anti-Rabbit IgG(H+L). The CUT&Tag results indicate the enrichment pattern of H3R2me1 in representative gene loci (MYOD1), as shown in figure.

ADDITIONAL INFORMATION

Related Product Information for anti-H3 antibody	This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.
Product Categories/Family for anti-H3 antibody	Methylated Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504299
NCBI GeneID	8290/8350
NCBI Accession #	NP_003484.1
NCBI GenBank Nucleotide #	NM_003493.2
UniProt Accession #	Q16695; P68431
Molecular Weight	Calculated MW: 16kDa Observed MW: 17kDa
UniProt Protein Name	Histone H3.1t
UniProt Gene Name	HIST3H3
UniProt Synonym Gene Names	H3FT; H3/t; H3t
UniProt Entry Name	H31T_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/monomethyl-histone-h3-r2-antibody-dot-blot-western-blot-elisa/283350>