

## Anti-Mono-Methyl-Histone H3-R2 antibody [S3MR] (STJ11101743)

STJ11101743

### GENERAL INFORMATION

<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	WB/DB/ELISA/CUT&Tag
<b>Applications</b>	WB/DB/ELISA/CUT&Tag
<b>Host/Source</b>	Rabbit
<b>Reactivity</b>	Human/Mouse/Rat/Other

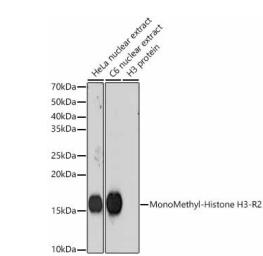
### PRODUCT PROPERTIES

<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	S3MR
<b>Concentration</b>	Lot specific
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	Affinity purification
<b>Dilution Range</b>	WB:1:500-1:1000 DB:1:500-1:1000 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements. CUT&Tag: 10 <sup>5</sup> cells/1 Mu g
<b>Formulation</b>	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
<b>Isotype</b>	IgG
<b>Storage Instruction</b>	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

<b>Gene ID</b>	8290 8350/8351/8352/8353/8354/8355/8356/8357/8358/8968
<b>Gene Symbol</b>	H3-4 H3C1.H3C2.H3C3.H3C4.H3C6.
<b>Uniprot ID</b>	H31T_HUMAN H31_HUMAN
<b>Immunogen</b>	MARTKQTARKSTGGKAPRKQ LATKAARKSAPATGGVKKPH RYRPGTVALREIRRQKSTE LLIRKLPFQLRVREIAQDFK TDLRFQSSAVMALQEACEAY
<b>Immunogen Region</b>	A synthetic monomethylated peptide around R2 of human Histone H3 (Q16695).
<b>Immunogen Specificity</b>	MARTKQTARKSTGGKAPRKQ LATKAARKSAPATGGVKKPH RYRPGTVALREIRRQKSTE LLIRKLPFQLRVREIAQDFK
<b>Immunogen Sequence</b>	TDLRFQSSAVMALQEACEAY

K562 Cell  
H3R2me1 CUT&Tag



CUT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tr5) for Illumina (RK20265) from 10<sup>4</sup> K562 cells with 1 Mu g MonoMethyl-Histone H3-R2 antibody (STJ11101743) 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.

