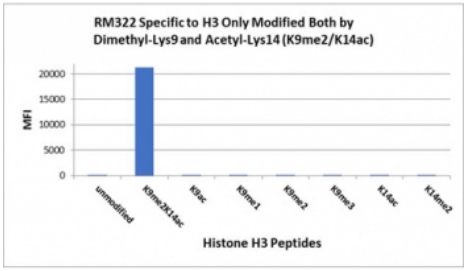
H3K9me2/K14ac Antibody / Dimethyl-Histone H3 (Lys9) + Acetyl-Histone H3 (Lys14) [clone RM322] (R20346)

Catalog No.	Formulation	Size
R20346-0.1ML	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ul

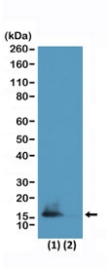
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM322
Purity	Protein A purified from animal origin-free supernatant
UniProt	P84243
Applications	Western Blot : 0.1ug/ml-1ug/ml
Limitations	This recombinant H3K9me2/K14ac antibody is available for research use only.



The H3K9me2/K14ac antibody specifically reacts to Histone H3 only when modified at both dimethyl-lysine 9 and acetyl-lysine 14 (K9me2/K14ac). No cross reactivity with non-modified Lysine 9/14, methylated Lysine 9 (K9me1, k9me2, k9me3) ONLY, acetylated Lysine 9/14 ONLY, or methylated Lysine 14 (K14me2) ONLY, in Histone H3.



Western blot testing of human HeLa cell lysate (1) and recombinant Histone H3.3 (2) using H3K9me2/K14ac antibody at 0.5ug/ml.

Description

This antibody reacts to Histone H3 only when modified by both methylation at lysine 9 and acetylation at lysine 14 (K9me2/K14ac). No cross reactivity with monomethylated Lysine 9 (K9me1), dimethylated Lysine 9 (K9me2), trimethylated Lysine 9 (K9me3), or acetylated Lysine 9/14 only, in histone H3.

Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant H3K9me2/K14ac antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A dimethyl-peptide corresponding to dimethyl-Histone H3 (Lys9) and an acetyl-peptide corresponding to Acetyl-Histone H3 (Lys14) was used as the immunogen for the H3K9me2/K14ac antibody.

Storage

Store the recombinant H3K9me2/K14ac antibody at -20oC.