

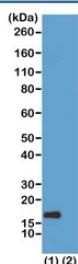
Recombinant H3K56ac Antibody [clone RM179] (R20221)

Catalog No.	Formulation	Size
R20221-100UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ug
R20221-25UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	25 ug

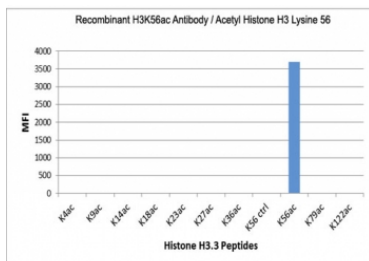
Recombinant **RABBIT MONOCLONAL**

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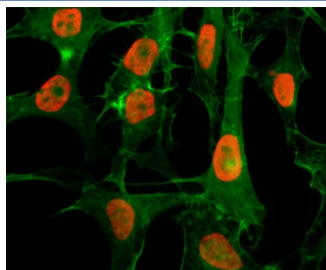
Availability	1-3 business days
Species Reactivity	All Species
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM179
Purity	Protein A purified from animal origin-free supernatant
UniProt	P84243
Gene ID	8350
Applications	Western Blot : 1-2ug/ml Immunocytochemistry : 0.5-2ug/ml Immunohistochemistry : 1-10ug/ml (1) ELISA : 0.5-1ug/ml
Limitations	This recombinant H3K56ac antibody is available for research use only.



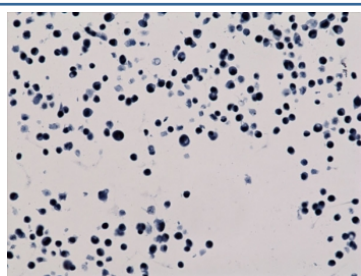
Western blot test of (1) acid extracts of HeLa cells treated with sodium butyrate and (2) recombinant histone H3.3 using recombinant H3K56ac antibody at 1 ug/ml showed a band of Histone H3 acetylated at Lysine 56 in treated HeLa cells.



The recombinant H3K56ac antibody specifically reacts to Histone H3 acetylated at Lysine 56 (K56ac). No cross reactivity with unmodified Lysine 56 or other acetylated Lysines in Histone H3.



ICC/IF staining of HeLa cells treated with sodium butyrate using recombinant H3K56ac antibody (red). Actin filaments have been labeled with fluorescein phalloidin (green).



ICC staining of human HepG2 cells with recombinant H3K56ac antibody.

Description

This recombinant H3K56ac antibody reacts to Histone H3 acetylated at Lysine 56 (K56ac). No cross reactivity with other acetylated Lysines in Histone H3.

Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant H3K56ac antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. A pH6 Citrate buffer or pH9 Tris/EDTA buffer HIER step is recommended for testing of FFPE tissue sections.

Immunogen

An acetyl-peptide corresponding to Acetyl-Histone H3 (Lys56) was used as the immunogen for this recombinant H3K56ac antibody.

Storage

Store the recombinant H3K56ac antibody at -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).

