

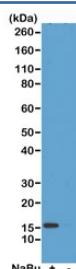
## Recombinant H2A.ZK4ac Antibody [clone RM221] (R20239)

Catalog No.	Formulation	Size
R20239-100UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ug
R20239-25UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	25 ug

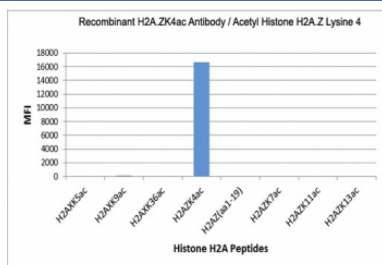
Recombinant **RABBIT MONOCLONAL**

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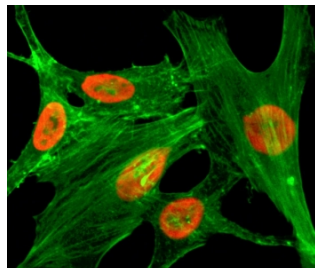
Availability	1-3 business days
Species Reactivity	All Species
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM221
Purity	Protein A purified from animal origin-free supernatant
UniProt	P0C0S5
Gene ID	3015
Applications	Western Blot : 0.5-2ug/ml ELISA : 0.2-1ug/ml Immunocytochemistry : 1-2ug/ml
Limitations	This recombinant H2A.ZK4ac antibody is available for research use only.



Western blot test of acid extracts from HeLa cells treated (+) or untreated (-) with sodium butyrate, using recombinant H2A.ZK4ac antibody at 0.5 ug/ml, showed a band of Histone H2A.Z acetylated at Lysine 4 in treated HeLa cells.



This recombinant H2A.ZK4ac antibody specifically reacts to Histone H2A.Z acetylated at Lysine 4 (K4ac). No cross reactivity with non-modified Lysine 4 or other acetylated Lysines in Histone H2A.



ICC/IF staining of HeLa cells treated with sodium butyrate using recombinant H2A.ZK4ac antibody (red). Actin filaments have been labeled with fluorescein phalloidin (green).

## Description

This recombinant H2A.ZK4ac antibody reacts to Histone H2A.Z acetylated at Lysine 4 (K4ac). No cross reactivity with non-modified Lysine 4 or other acetylated Lysines in histone H2A

## Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant H2A.ZK4ac antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An acetyl-peptide corresponding to Acetyl-Histone H2A.Z (Lys4) was used as the immunogen for this recombinant H2A.ZK4ac antibody.

## Storage

Store the recombinant H2A.ZK4ac antibody at -20°C (with glycerol) or aliquot and store at -20°C (without glycerol).