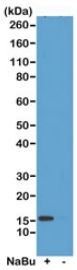
Recombinant H2A.ZK4ac Antibody [clone RM221] (R20239)

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

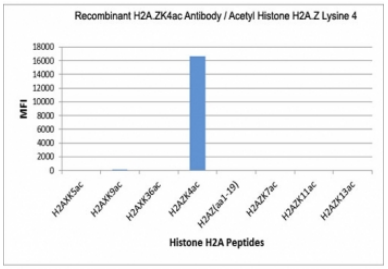
Recombinant RABBIT MONOCLONAL

Bulk quote request

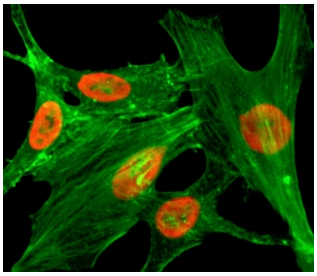
Availability	1-3 business days
Species Reactivity	All Species
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM221
Purity	Protein A purified from animal origin-free supernatant
UniProt	P0C0S5
Gene ID	3015
Applications	Western Blot : 0.5-2ug/ml ELISA : 0.2-1ug/ml 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 -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).