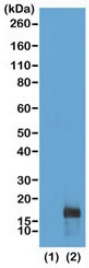
Recombinant H3K79me2 Antibody [clone RM181] (R20220)

Catalog No.	Formulation	Size
R20220-100UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ug
R20220-25UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	25 ug

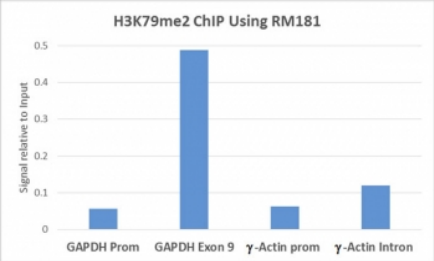
Recombinant RABBIT MONOCLONAL

Bulk quote request

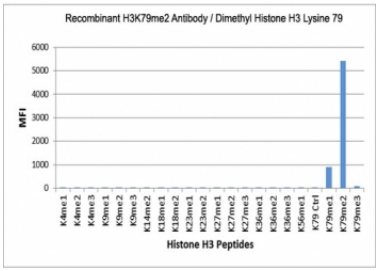
Availability	1-3 business days
Species Reactivity	All Species
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM181
Purity	Protein A purified from animal origin-free supernatant
UniProt	P84243
Gene ID	8350
Applications	Western Blot : 0.25-1ug/ml Immunohistochemistry : 0.1-1ug/ml (1) ChIP : 2-10ug/mg ELISA : 0.2-1ug/ml
Limitations	This recombinant H3K79me2 antibody is available for research use only.



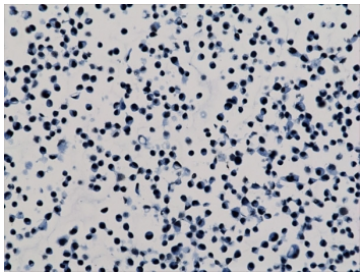
Western blot of recombinant Histone H3.3 (1) and acid extracts of HeLa cells (2) using recombinant H3K79me2 antibody at 0.25 ug/ml showed a band of Histone H3 dimethylated at Lysine 79 (K79me2) in HeLa cells.



ChIP performed on HeLa cells using the recombinant H3K79me2 antibody (5ug). Real-time PCR was performed using primers specific to the gene indicated.



The recombinant H3K79me2 antibody specifically reacts to Histone H3 dimethylated at Lysine 79 (K79me2). Very slightly cross reactivity with monomethylated Lysine 14 (K14me1), and no cross reactivity with unmodified or trimethylated Lysine 79, or other H3 methylations.



ICC staining of human HepG2 cells with recombinant H3K79me2 antibody.

Description

This recombinant H3K79me2 antibody reacts to Histone H3 dimethylated at Lysine 79 (K79me2). No cross reactivity with monomethylated (K79me1) or trimethylated Lysine 79 (K79me3), or other methylation in Histone H3.

Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant H3K79me2 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

A dimethyl-peptide corresponding to Dimethyl-Histone H3 (Lys79) was used as the immunogen for this recombinant H3K79me2 antibody.

Storage

Store the recombinant H3K79me2 antibody at -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).