

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

10-9542: Recombinant Rabbit Monoclonal Antibody to Trimethylated Histone H3 Lysine 4, H3K4me3 (Clone: RM137)(Discontinued)

Clonality: Monoclonal Clone Name: RM137

Application : WB,ELISA,Multiplex

Reactivity: All Species
Gene: H3F3A
Gene ID: 3020
Uniprot ID: P84243
Format: Purified
Alternative Name: Histone H3.3
Isotype: Rabbit IgG

Immunogen Information: A trimethyl-peptide corresponding to Trimethyl-Histone H3 (Lys4)

Product Info

Amount : 100 μg

Purification: Protein A affinity purified from an animal origin-free culture supernatant **Content:** 1 mg/ml in 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide

Storage condition : Store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Clone RM137 reacts to Histone H3 trimethylated at Lysine 4 (K4me3). No cross reactivity with monomethylated Lysine 4 (K4me1), dimethylated Lysine 4 (K4me3), or other methylations in histone H3. Western Blot: $0.2 \text{ $\tilde{A} \cap \tilde{A} \mu g/ml $\tilde{A} \cap \tilde{A} \cap \tilde{A} \mu g/ml$}$ $\tilde{A} \cap \tilde{A} \cap$

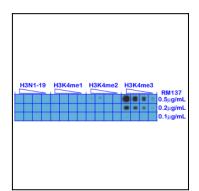


Figure 1: A Peptide dotblot shows Clone: RM137 reacts only to Histone H3 trimethyl-Lysine 4 (K4me3). No cross reactivity with nonmodified Lysine 4 (H3N1-19), monomethylated Lysine 4 (K4me1) or dimethylated Lysine 4 (K4me2).

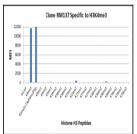


Figure 2: Clone: RM137 specifically reacts to Histone H3 trimethylated at Lysine 4 (K4me3). No cross reactivity with other methylated lysines in Histone H3.



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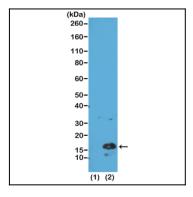


Figure 3: Western Blot of recombinant histone H3.3 (1) and acid extracts of HeLa cells (2), using Clone: RM137 at 0.5 μ g/ml, showed a band of histone H3 trimethylated at Lysine 4 (K4me3) in HeLa cells.