9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

10-9549: Recombinant Rabbit Monoclonal Antibody to Acetylated Histone H3 Lysine 18 (K18ac) (Clone: RM166)(Discontinued)

Clonality :	Monoclonal
Clone Name :	RM166
Application :	WB,ELISA,Multiplex,ChIP,ICC. IHC
Reactivity :	All Species
Gene :	H3F3A
Gene ID :	3020
Uniprot ID :	P84243
Format :	Purified
Alternative Name :	Histone H3.3
Isotype :	Rabbit IgG
Immunogen Information :	An acetyl-peptide corresponding to the Acetyl-Histone H3 (Lys18)

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 RM166 reacts to Histone H3 acetylated at Lysine 18 (K18ac). No cross reactivity with other acetylated Lysines in histone H3. Western Blot: 0.5 Ã□Âµg/ml - 2 Ã□Âµg/ml; ICC: 0.5 Ã□Âµg/ml - 2 Ã□Âµg/ml; ChIP: 2 Ã□Âµg/ml-10 Ã□Âµg/ml; IHC: 1 Ã□Âµg/ml-10 Ã□Âµg/ml; ELISA: 0.2 Ã□Âµg/ml - 1 Ã□Âµg/ml; Multiplex: 0.1 Ã□Âµg/ml Ã□â□□ 0.5 Ã□Âµg/ml.

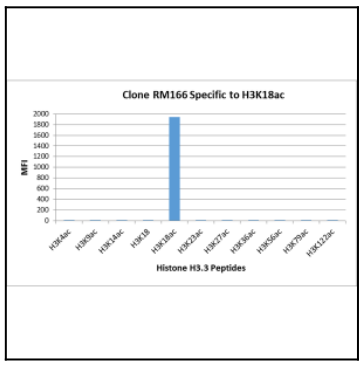

Figure 1: Clone: RM166 specifically reacts to Histone H3 acetylated at Lysine 18 (K18ac). No cross reactivity with acetylated Lysine 4 (K4ac), Lysine 9 (K9ac), Lysine 14 (K14ac), Lysine 23 (K23ac), Lysine 27 (K27ac), Lysine 36 (K36ac), Lysine 56 (K56ac), Lysine 79 (K79ac), or Lysine 122 (K122) in Histone H3.

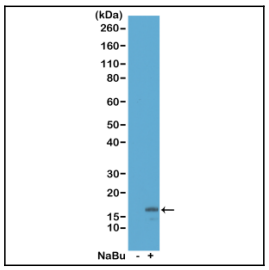

Figure 2: Western Blot of acid extracts from HeLa cells untreated (-) or treated with sodium butyrate (+), using Clone: RM166 at 0.5 µg/ml, showed a band of histone H3 acetylated at Lysine 18 in treated HeLa.

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

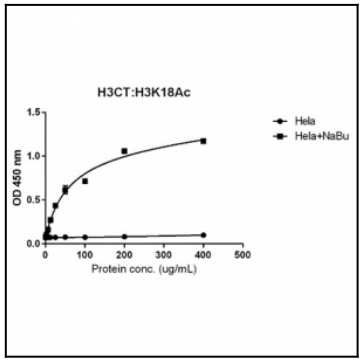

Figure 3: Sandwich ELISA against acetylated histone H3 at Lys 18 using HeLa whole cell lysate, treated or untreated with Sodium Butyrate. Using anti-H3CT (Clone: RM188, 1 µg/ml) as the capture antibody and biotinylated anti-H3K18C (Clone: RM166, 2 µg/ml) as the detection antibody.

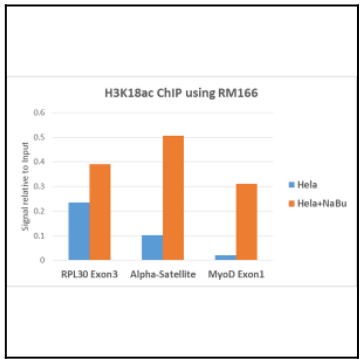

Figure 4: ChIP performed on HeLa cells with or without Sodium Butyrate treatment, using H3K18Ac antibody (Clone: RM166, 5 µg). Real-time PCR was performed using primers specific to the gene indicated.

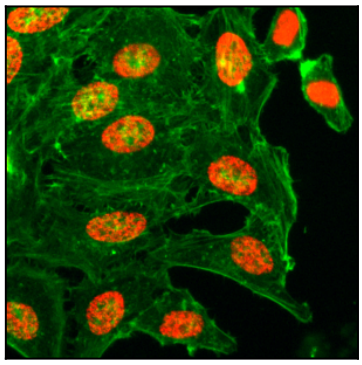

Figure 5: Immunocytochemistry of HeLa cells treated with sodium butyrate, using Acetyl-Histone H3 (Lys18) Rabbit mAb Clone: RM166(red). Actin filaments have been labeled with fluorescein phalloidin (green).

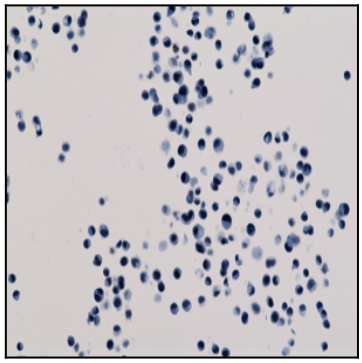

Figure 6: Immunohistochemistry staining of HepG2 cells using Anti-Acetyl-Histone H3 (Lys18) antibody, Clone: RM166.