

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

Email: info@abeomics.com

## 10-9562: Recombinant Rabbit Monoclonal Antibody to Phospho-Histone H4 (Ser1), H4S1p (Clone: RM194)(Discontinued)

Clonality: Monoclonal Clone Name: RM194

**Application :** ELISA, WB, Multiplex

Gene : HIST1H4A

Gene ID : 121504

Uniprot ID : P62805

Format : Purified

Alternative Name : H4/A, H4FA

Isotype : Rabbit IgG

Immunogen Information: A phospho-peptide corresponding to the Phospho-Histone H4 (pSer1).

## **Product Info**

Amount:  $100 \mu g$ 

**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 RM194 reacts to Histone H4 phosphorylated at Serine 1. The reactivity is not affected by neighboring Arginine 3 modifications. No cross reactivity with Histone H2A phosphorylated at Serine 1. Western Blot: 0.5  $\mu$ g/ml - 2  $\mu$ g/ml; ICC: 1  $\mu$ g/ml - 2  $\mu$ g/ml; ELISA: 0.2  $\mu$ g/ml - 1  $\mu$ g/ml; Multiplex: 0.1  $\mu$ g/ml.

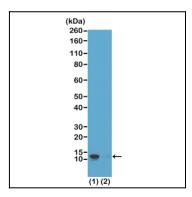


Figure 1: Western Blot of (1) acid extracts of HeLa cells; (2)recombinant Histone H4. Using Clone: RM194 at 0.5  $\mu$ g/ml,showed a band of Histone H4 phosphorylated at Serine 1 in HeLa cells.



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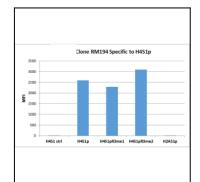


Figure 2: Clone: RM194 specifically reacts to Histone H4 phosphorylatedat Serine 1 (H4S1p). The reactivity is not affected byneighboring Arginine 3 modifications (H4S1pR3me1 and H4S1pR3me2). No cross reactivity with Histone H2A phosphorylated at Serine 1 (H2AS1p).

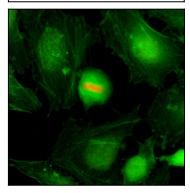


Figure 3: Immunocytochemistry of HeLa cells, using Anti-Phospho-Histone H4 (Ser1) Rabbit mAb Clone: RM194 (red). Actin filaments have been labeled with fluorescein phalloidin (green).