

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	RM194
<b>Application :</b>	ELISA,WB,Multiplex
<b>Gene :</b>	HIST1H4A
<b>Gene ID :</b>	121504
<b>Uniprot ID :</b>	P62805
<b>Format :</b>	Purified
<b>Alternative Name :</b>	H4/A, H4FA
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	A phospho-peptide corresponding to the Phospho-Histone H4 (pSer1).

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Protein A affinity purified from an animal origin-free culture supernatant
<b>Content :</b>	1 mg/ml in 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
<b>Storage condition :</b>	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 µg/ml - 2 µg/ml; ICC: 1 µg/ml - 2 µg/ml; ELISA: 0.2 µg/ml - 1 µg/ml; Multiplex: 0.1 µg/ml - 1 µg/ml.

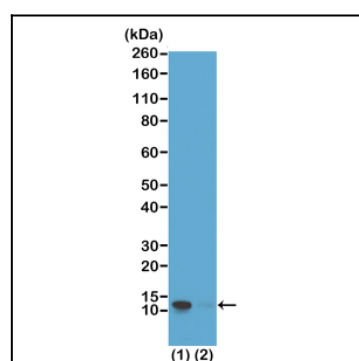


Figure 1: Western Blot of (1) acid extracts of HeLa cells; (2) recombinant Histone H4. Using Clone: RM194 at 0.5 µg/ml, showed a band of Histone H4 phosphorylated at Serine 1 in HeLa cells.

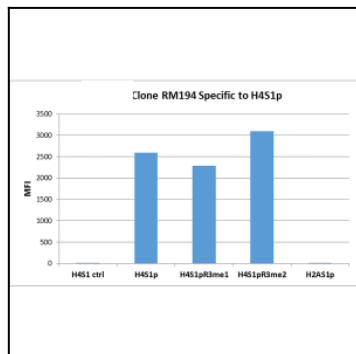


Figure 2: Clone: RM194 specifically reacts to Histone H4 phosphorylated at Serine 1 (H4S1p). The reactivity is not affected by neighboring Arginine 3 modifications (H4S1pR3me1 and H4S1pR3me2). No cross reactivity with Histone H2A phosphorylated at Serine 1 (H2AS1p).

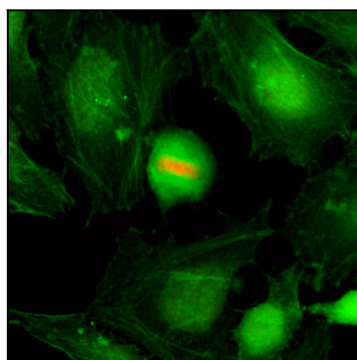


Figure 3: Immunocytochemistry of HeLa cells, using Anti-Phospho-Histone H4 (Ser1) Rabbit mAb Clone: RM194 (red). Actin filaments have been labeled with fluorescein phalloidin (green).