

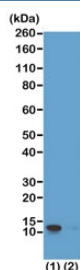
## Recombinant phospho-Histone H4 Antibody (Ser1) [clone RM194] (R20222)

Catalog No.	Formulation	Size
R20222-100UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ug
R20222-25UG	1 mg/ml in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	25 ug

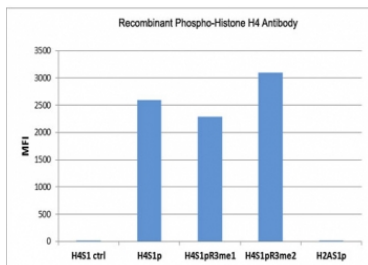
Recombinant **RABBIT MONOCLONAL**

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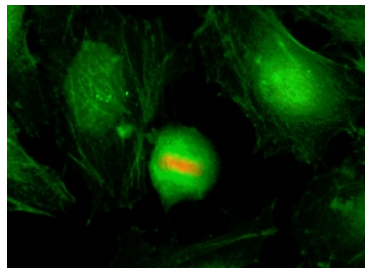
Availability	1-3 business days
Species Reactivity	All Species
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	RM194
Purity	Protein A purified from animal origin-free supernatant
UniProt	P62805
Gene ID	121504
Applications	Western Blot : 0.5-2ug/ml Immunocytochemistry : 1-2ug/ml ELISA : 0.2-1ug/ml
Limitations	This recombinant phospho-Histone H4 antibody is available for research use only.



Western blot of (1) acid extracts of HeLa cells and (2) recombinant Histone H4 using the recombinant phospho-Histone H4 antibody at 0.5 ug/ml showed a band of Histone H4 phosphorylated at Serine 1 in HeLa cells.



The recombinant phospho-Histone H4 antibody specifically reacts to Histone H4 phosphorylated at Ser1 (H4S1p). The reactivity is not affected by neighboring Arg3 modifications (H4S1pR3me1 and H4S1pR3me2). No cross reactivity with Histone H2A phosphorylated at Ser1 (H2AS1p).



ICC/IF of HeLa cells using recombinant phospho-Histone H4 antibody (red). Actin filaments have been labeled with fluorescein phalloidin (green).

## Description

This recombinant phospho-Histone H4 antibody reacts to Histone H4 phosphorylated at Serine 1. The reactivity is not affected by neighbor Arginine 3 modification. No cross reactivity with Histone H2A phosphorylated at Serine 1.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant phospho-Histone H4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A phospho-peptide corresponding to phospho-Histone H4 (pSer1) was used as the immunogen for this recombinant phospho-Histone H4 antibody.

## Storage

Store the recombinant phospho-Histone H4 antibody at -20oC (with glycerol) or aliquot and store at -20oC (without glycerol).