

AP1394

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# Phospho-HDAC4-S246 + HDAC5-S259 + HDAC9-S220 Rabbit mAb

Catalog No.: AP1394 **Recombinant**

## Basic Information

### Observed MW

124 kDa/140 kDa

### Calculated MW

57-65 kDa/97-122 kDa

### Category

Monoclonal Antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human,Mouse,Rat

### CloneNo number

ARC56536

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:100 - 1:400

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Background

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class II of the histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. This protein does not bind DNA directly, but through transcription factors MEF2C and MEF2D. It seems to interact in a multiprotein complex with RbAp48 and HDAC3. [provided by RefSeq, Jul 2008]

## Immunogen Information

### Gene ID

9759/10014/9734

### Swiss Prot

P56524/Q9UQL6/Q9UKV0

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

HDAC4/HDAC5/HDAC9; Phospho-HDAC4-S246 + HDAC5-S259 + HDAC9-S220

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

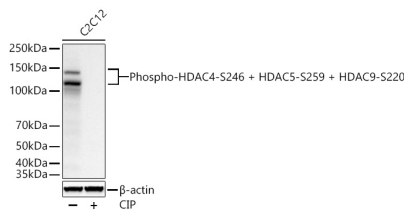
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



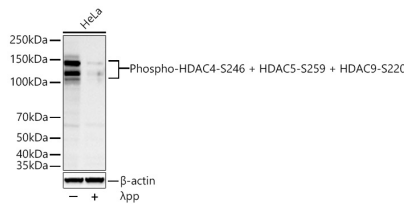
Western blot analysis of lysates from C2C12 cells using Phospho-HDAC4-S246 + HDAC5-S259 + HDAC9-S220 Rabbit mAb (AP1394) at 1:1000 dilution incubated at room temperature for 1.5 hours. C2C12 treated with CIP (1 U/ul) at 37°C for 1 hour. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30  $\mu$ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30 s.



Western blot analysis of lysates from HeLa cells using Phospho-HDAC4-S246 + HDAC5-S259 + HDAC9-S220 Rabbit mAb (AP1394) at 1:1000 dilution incubated at room temperature for 1.5 hours. HeLa treated with lpp (2 U/ul) at 37°C for 1 hour.

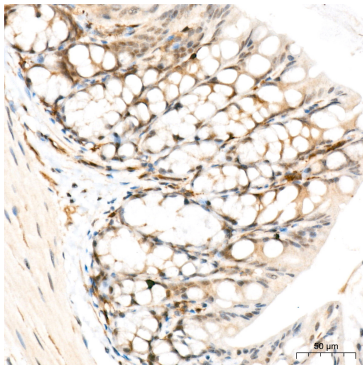
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30  $\mu$ g per lane.

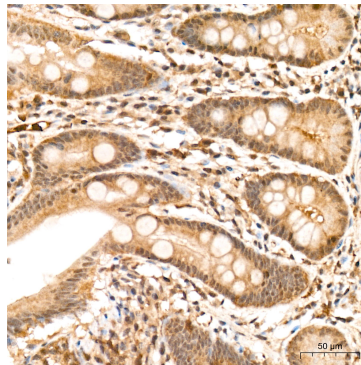
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

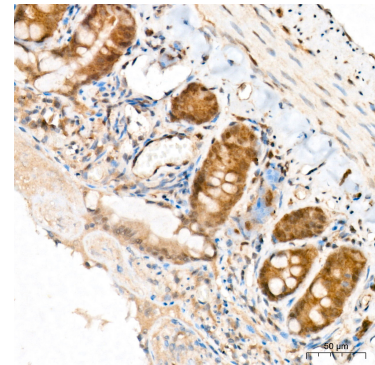
Exposure time: 60 s.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using Phospho-HDAC4-S246 + HDAC5-S259 + HDAC9-S220 Rabbit mAb (AP1394) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Phospho-HDAC4-S246 + HDAC5-S259 + HDAC9-S220 Rabbit mAb (AP1394) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using Phospho-HDAC4-S246 + HDAC5-S259 + HDAC9-S220 Rabbit mAb (AP1394) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.