

# 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**

Primary antibody

**Applications**

WB, IHC-P, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC56536

## 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]

## 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.

## 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

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

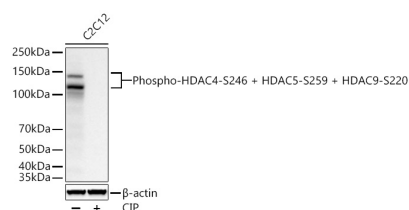
Affinity purification

**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.

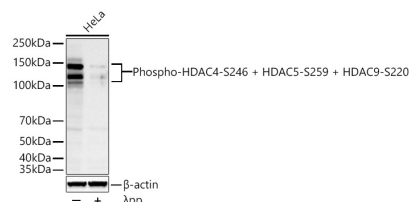
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg 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 λpp (2 U/ul) at 37°C for 1 hour.

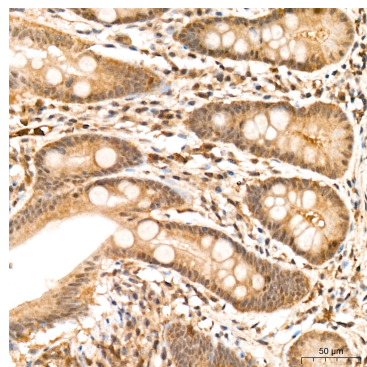
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

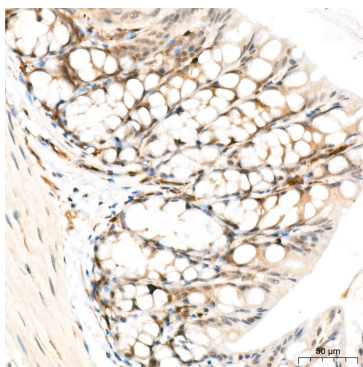
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

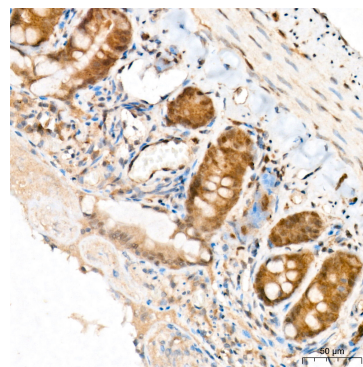
Exposure time: 60 s.



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 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 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.