

AP0280

Leader in Biomolecular Solutions for Life Science



# Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220 Rabbit pAb

Catalog No.: AP0280

## Basic Information

### Observed MW

125kDa/140kDa

### Calculated MW

57-65kDa/97-122kDa

### Category

Polyclonal Antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Human,Mouse,Rat

## 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** 1:50 - 1:200

**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

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

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

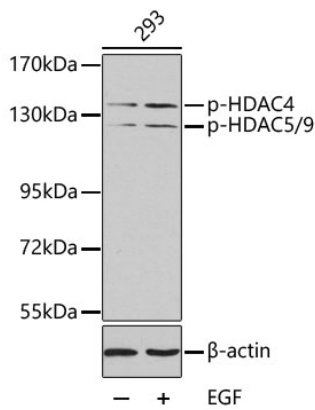
Affinity purification

### Storage

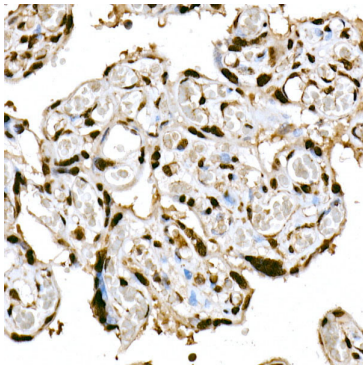
Store at -20°C. Avoid freeze / thaw cycles.

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

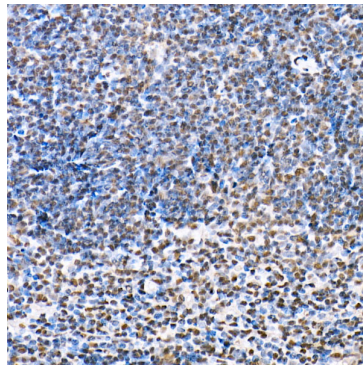
## Validation Data



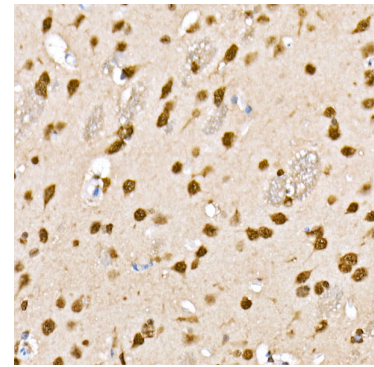
Western blot analysis of lysates from 293 cells, using Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220 Rabbit pAb (AP0280). 293 cells were treated with EGF. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA.



Immunohistochemistry analysis of paraffin-embedded Human placenta using Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220 Rabbit pAb (AP0280) at dilution of 1:50 (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 spleen using Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220 Rabbit pAb (AP0280) at dilution of 1:50 (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 brain using Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220 Rabbit pAb (AP0280) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.