

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

Primary 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

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Product Information

Source

Rabbit

Isotype

IgG

Purification

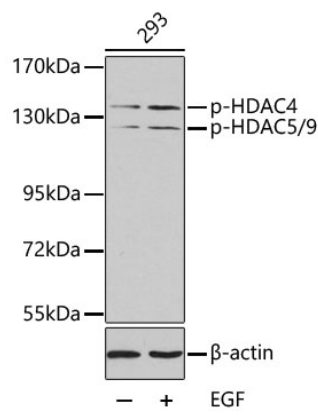
Affinity purification

Storage

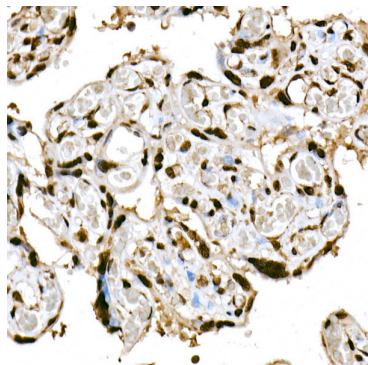
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

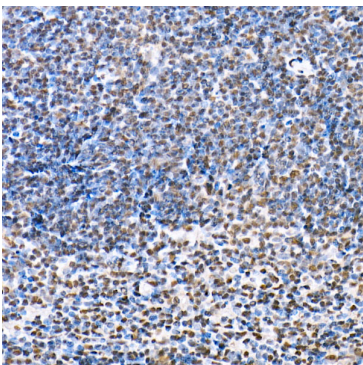
Validation Data



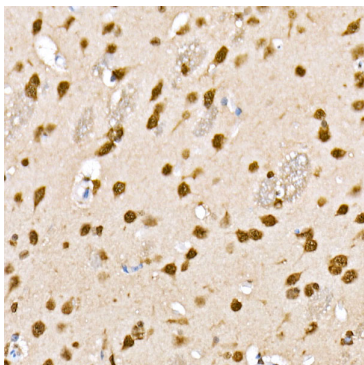
Western blot analysis of lysates from 293 cells, using Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220 Rabbit pAb (AP0280). 293 cells were treated with EGF.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.



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.