Anti-Phospho-HDAC4 (Ser246)/HDAC5 (Ser259)/HDAC9 (Ser220) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108810

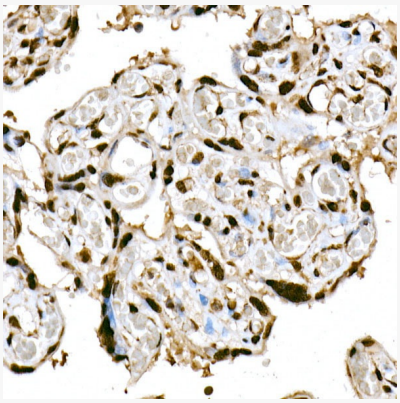
Product Information

Application	WB, IHC-P, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IHC-P 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A phospho specific peptide corresponding to residues surrounding S246 of human HDAC4
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-HDAC4 (Ser246)/HDAC5 (Ser259)/HDAC9 (Ser220) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

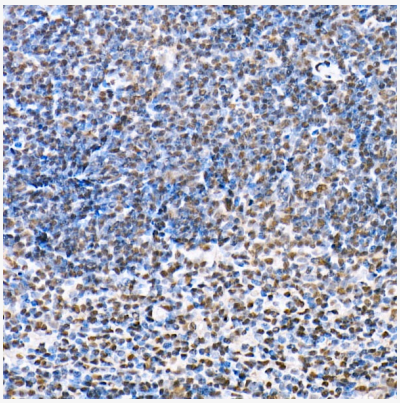
Protein Information

Synonyms	HD4; AHO3; BDMR; HDACA; HA6116; HDAC-4; HDAC-A; NEDCHF; NEDCHID; HDAC4; Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220.
Calculated MW	Calculated MW: 57-65 kDa/97-122 kDa; Observed MW: 125 kDa/140 kDa
Uniprot ID	P56524, Q9UQL6, Q9UKV0
Gene ID	9759, 10014, 9734
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]

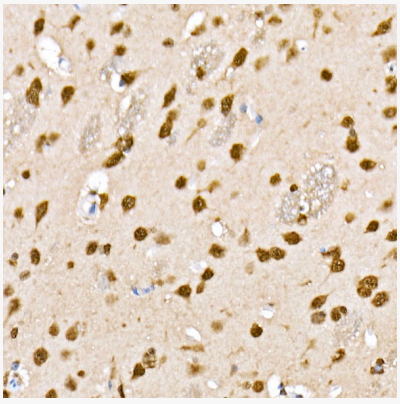
Validation Images



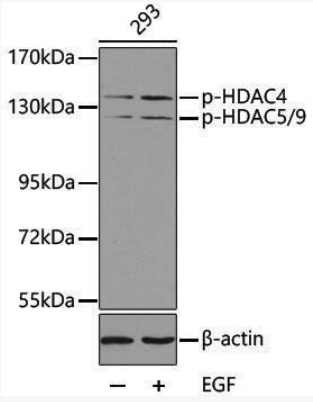
Immunohistochemistry analysis of paraffin-embedded Human placenta using Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220 Rabbit pAb (P108810) at dilution of 1:50 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen using Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220 Rabbit pAb (P108810) at dilution of 1:50 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220 Rabbit pAb (P108810) at dilution of 1:50 (40× lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Western blot analysis of lysates from 293 cells, using Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220 Rabbit pAb (P108810). 293 cells were treated by EGF.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.