

HDAC4 Rabbit Polyclonal Antibody



CAB0239

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

117kDa

Calculated MW:

106kDa/119kDa

Applications:

WB IF IP

Reactivity:

Human, Mouse

Protein 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.

Immunogen information

Gene ID:

9759

Uniprot

P56524

Synonyms:

HDAC4; AHO3; BDMR; HA6116; HD4; HDAC-4; HDAC-A; HDACA

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200 IP 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

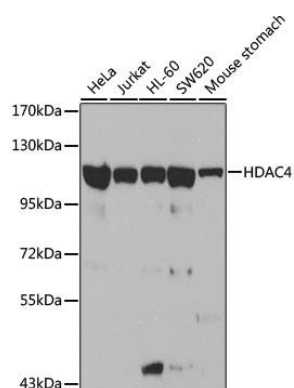
Immunogen:

A synthetic peptide corresponding to a sequence within amino acids 530-630 of human HDAC4 (NP_006028.2).

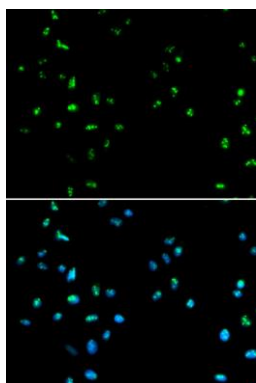
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

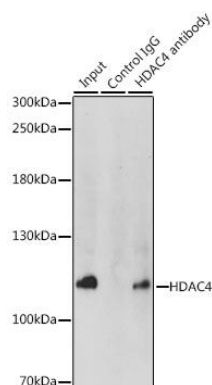
Product Images



Western blot analysis of extracts of various cell lines, using HDAC4 antibody (CAB0239) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of A549 cells using HDAC4 antibody (CAB0239). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200ug extracts of HeLa cells, using 3 ug HDAC4 antibody (CAB0239). Western blot was performed from the immunoprecipitate using HDAC4 antibody (CAB0239) at a dilution of 1:1000.