

HDAC4 Rabbit pAb

Catalog No.: A0179

Basic Information

Catalog No.

A0179

Observed MW

130kDa

Calculated MW

106kDa/119kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:1000
IHC	1:50 - 1:100
IF	1:100 - 1:200

Contact

 | www.abclonal.com

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	Swiss Prot
9759	P56524

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 451-650 of human HDAC4 (NP_006028.2).

Synonyms

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

Product Information

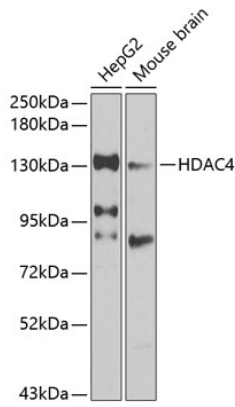
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using HDAC4 antibody (A0179) at 1:1000 dilution.

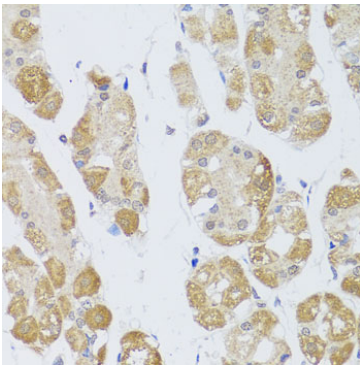
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

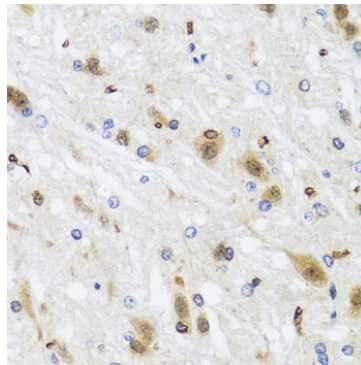
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

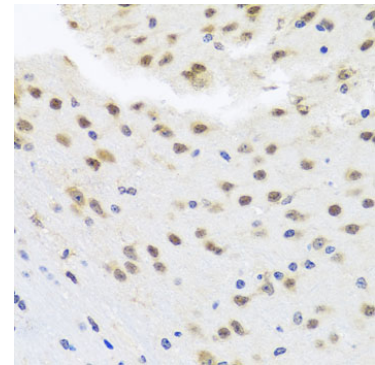
Exposure time: 30s.



Immunohistochemistry of paraffin-embedded human stomach using HDAC4 antibody (A0179) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat brain using HDAC4 antibody (A0179) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using HDAC4 antibody (A0179) at dilution of 1:100 (40x lens).