

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-HDAC5-specific



Numéro de catalogue: 16166-1-AP

Phare

18 Publications

## Informations de base

Numéro de catalogue:

16166-1-AP

Taille:

150ul, Concentration: 450 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

BC051824

Identification du gène (NCBI):

10014

Nom complet:

histone deacetylase 5

MW calculé

122 kDa

MW observés:

120-140 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:100-1:1000

IHC 1:20-1:200

IF 1:50-1:500

## Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

ColP, IF, IHC, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : cellules HeLa, cellules HEK-293, tissu cérébral humain foetal

IHC : tissu cérébral humain, tissu cardiaque humain, tissu cérébral de souris

IF : cellules HeLa,

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

## Informations générales

Histone acetylation and deacetylation alternately exposes and occludes DNA to transcription factors. At least 4 classes of HDAC were identified. HDAC5 is a class II HDAC. HDAC5 responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. HDAC5 is involved in muscle maturation by repressing transcription of myocyte enhancer MEF2C. During muscle differentiation, HDAC5 shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors. This antibody only binds HDAC5. It does not cross-react with other HDACs.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Ying Wang	36124413	Folia Histochem Cytobiol	WB, ColP
Xun Huang	30220457	Cell	WB
Lauren E Chaby	33087769	Sci Rep	WB

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

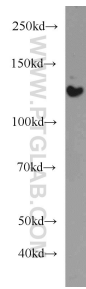
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

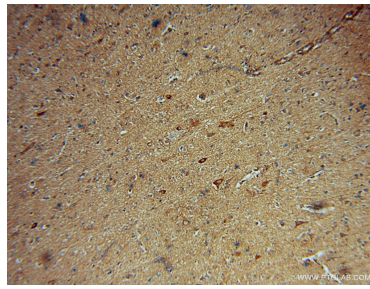
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

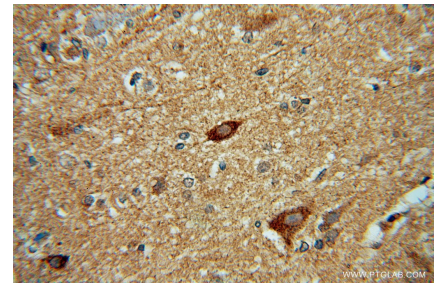
## Données de validation sélectionnées



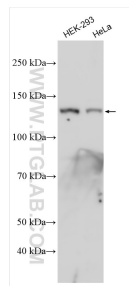
HeLa cells were subjected to SDS PAGE followed by western blot with 16166-1-AP (HDAC5-specific antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



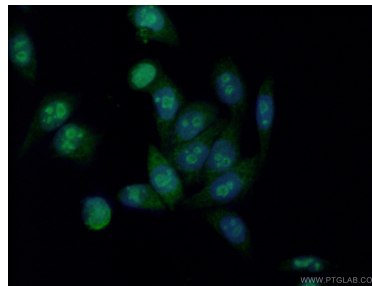
Immunohistochemical analysis of paraffin-embedded human brain using 16166-1-AP (HDAC5-specific antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 16166-1-AP (HDAC5-specific antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 16166-1-AP (HDAC5-specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 16166-1-AP (HDAC5-specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).