

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-HDAC1



Numéro de catalogue: 10197-1-AP

Phare

75 Publications

## Informations de base

Numéro de catalogue:  
10197-1-AP

Taille:  
150ul, Concentration: 400 µg/ml by  
Nanodrop;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG0256

Numéro d'acquisition GenBank:  
BC000301

Identification du gène (NCBI):  
3065

Nom complet:  
histone deacetylase 1

MW calculé  
55 kDa

MW observés:  
60 kDa

Méthode de purification:  
Purification par affinité contre  
l'antigène

Dilutions recommandées:  
WB 1:8000-1:20000  
IP 0.5-4.0 ug for IP and 1:500-1:1000  
for WB  
IHC 1:50-1:500  
IF 1:300-1:1200

## Applications

Applications testées:  
FC, IF, IHC, IP, WB, ELISA

Demandes citées:  
ChIP, CoIP, IF, IHC, IP, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Humain, rat, souris

**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.**

Contrôles positifs:

WB : cellules C6, cellules HeLa, cellules Jurkat, cellules K-562, cellules NIH/3T3, tissu testiculaire de souris

IP : tissu testiculaire de souris,

IHC : tissu de cancer du pancréas humain, tissu testiculaire humain

IF : cellules HeLa,

## Informations générales

Histone deacetylases (HDAC) are a class of enzymes that remove the acetyl groups from the lysine residues leading to the formation of a condensed and transcriptionally silenced chromatin. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex, which is responsible for gene expression silencing. It also plays an important role in the control of cell proliferation and differentiation by interacting with RB, p53 and other transcription factors. At least 4 classes of HDAC were identified. As a class I HDAC, HDAC 1 was primarily found in the nucleus. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human HDAC1. The calculated molecular weight of HDAC1 is 55 kDa, but modified HDAC1 is about 60-65 kDa.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Ser Yue Loo	34580286	Cell Death Discov	IHC
Fang Guo	32951004	Cell Death Dis	ChIP
Hironori Bando	30283439	Front Immunol	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.

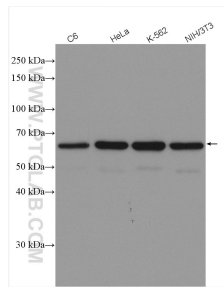
For technical support and original validation data for this product please contact:

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

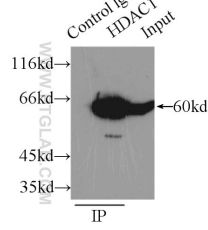
E: proteintech@ptglab.com  
W: ptglab.com

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

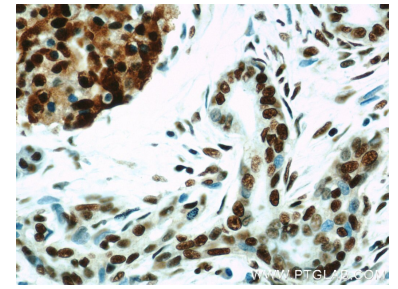
## Données de validation sélectionnées



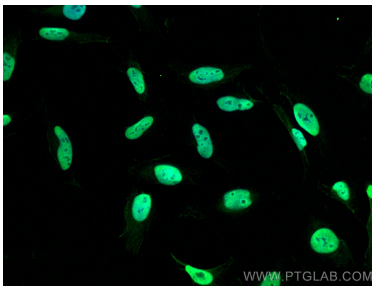
Various lysates were subjected to SDS PAGE followed by western blot with 10197-1-AP (HDAC1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



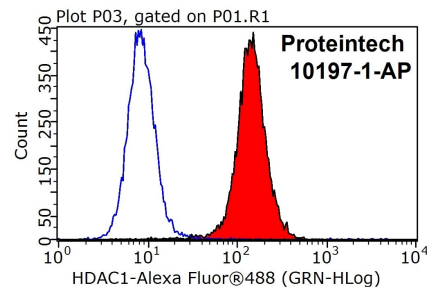
IP Result of anti-HDAC1 (IP:10197-1-AP, 3ug; Detection:10197-1-AP 1:500) with mouse testis tissue lysate 10000ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 10197-1-AP (HDAC1 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HDAC1 antibody (10197-1-AP) at dilution of 1:600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10<sup>6</sup> HeLa cells were stained with 0.2ug HDAC1 antibody (10197-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.