

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-HDAC2



Numéro de catalogue: 12922-3-AP

Phare

60 Publications

## Informations de base

Numéro de catalogue:  
12922-3-AP

Taille:  
150ul, Concentration: 600 µg/ml by  
Nanodrop;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG3607

Numéro d'acquisition GenBank:  
BC031055

Identification du gène (NCBI):  
3066

Nom complet:  
histone deacetylase 2

MW calculé  
458 aa, 52 kDa; 488 aa, 55 kDa

MW observés:  
55-60 kDa

Méthode de purification:  
Purification par affinité contre  
l'antigène

Dilutions recommandées:  
WB 1:5000-1:50000  
IP 0.5-4.0 ug for IP and 1:500-1:2000  
for WB  
IHC 1:200-1:2000  
IF 1:1000-1:4000

## 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 HEK-293, cellules C6, cellules HeLa, cellules HepG2, cellules L02, cellules MCF-7, cellules NIH/3T3, tissu hépatique de rat, tissu rénal de rat, tissu rénal humain

IP : tissu testiculaire de souris,

IHC : tissu de cancer de la prostate humain, tissu de cancer du sein humain, tissu testiculaire humain

IF : cellules HepG2,

## 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. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). At least 4 classes of HDAC were identified. As a class I HDAC, HDAC2 was primarily found in the nucleus. HDAC2 forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human HDAC2.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Hong Mai	34586697	J Cell Mol Med	IHC
Daniel B McClatchy	32994440	Sci Rep	WB
Z Li	26411366	Oncogene	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 -20°C

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

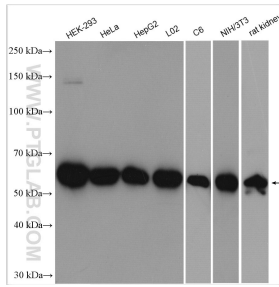
For technical support and original validation data for this product please contact:

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

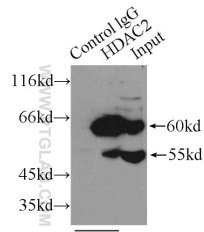
E: proteintech@ptglab.com  
W: ptglab.com

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

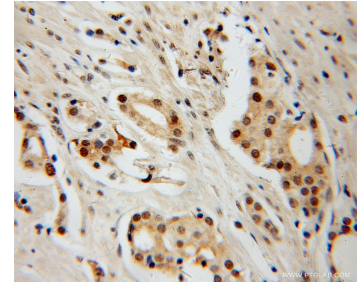
## Données de validation sélectionnées



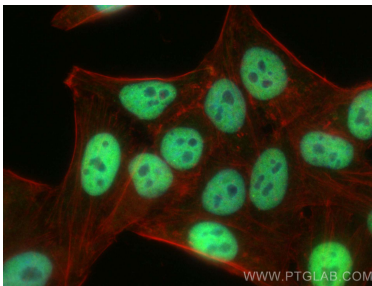
Various lysates were subjected to SDS PAGE followed by western blot with 12922-3-AP (HDAC2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



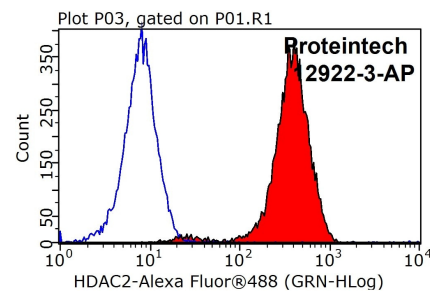
IP Result of anti-HDAC2 (IP:12922-3-AP, 3ug; Detection:12922-3-AP 1:1000) with mouse testis tissue lysate 10000ug.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 12922-3-AP (HDAC2 antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HDAC2 antibody (12922-3-AP) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1x10<sup>6</sup> HEK-293T cells were stained with .2ug HDAC2 antibody (12922-3-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.