

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-HDAC2-specific



Numéro de catalogue: 16152-1-AP

4 Publications

## Informations de base

Numéro de catalogue:

16152-1-AP

Taille:

150ul, Concentration: 350 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM\_001527

Identification du gène (NCBI):

3066

Nom complet:

histone deacetylase 2

MW calculé

458 aa, 52 kDa; 488 aa, 55 kDa

MW observés:

55 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:500-1:2000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

IF 1:10-1:100

## Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IF, WB

Spécificité de l'espèce:

Humain

Espèces citées:

Humain

**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 HepG2, cellules A431, cellules HeLa, tissu hépatique humain

IP : cellules A431,

IHC : tissu testiculaire humain, tissu cardiaque humain, tissu cérébral humain, tissu cutané humain, tissu hépatique humain, tissu ovarien humain, tissu rénal humain, tissu splénique 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. 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 a peptide mapping within human HDAC2 and is specific to HDAC2. It will not cross react with other HDACs.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Ruiqing Zhou	32234630	Chemosphere	WB
Tianyou Yan	28235656	Leuk Res	IF
Nan Liu	37311463	Mol Cell	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.

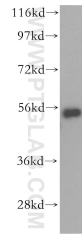
For technical support and original validation data for this product please contact:

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

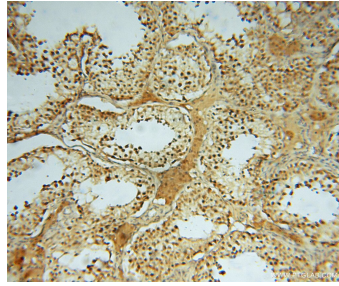
E: proteintech@ptglab.com  
W: ptglab.com

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

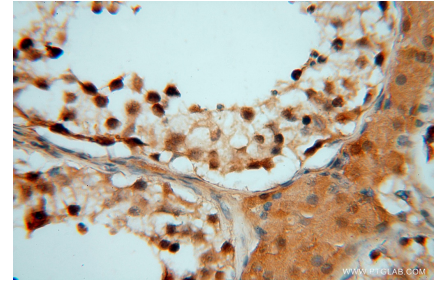
## Données de validation sélectionnées



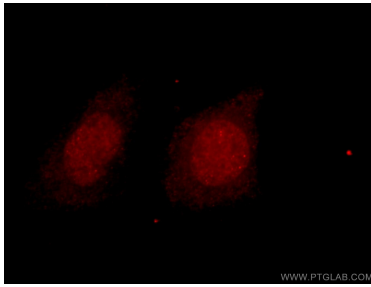
HepG2 cells were subjected to SDS PAGE followed by western blot with 16152-1-AP (HDAC2-specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



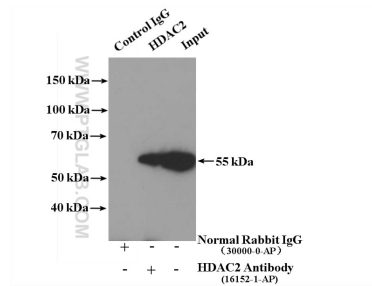
Immunohistochemical analysis of paraffin-embedded human testis using 16152-1-AP (HDAC2-specific antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 16152-1-AP (HDAC2-specific antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HeLa cells using 16152-1-AP (HDAC2-specific antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



IP Result of anti-HDAC2-specific (IP:16152-1-AP, 4ug; Detection:16152-1-AP 1:500) with A431 cells lysate 2400ug.