

À des fins de recherche uniquement

# Anticorps Monoclonal anti-HDAC2

Numéro de catalogue: 67165-1-Ig

Phare

1 Publications



## Informations de base

Numéro de catalogue: 67165-1-Ig	Numéro d'acquisition GenBank: BC031055	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 2300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): histone deacetylase 2	CloneNo.: 1A3E4
Hôte: Mouse	Nom complet: histone deacetylase 2	Dilutions recommandées: WB 1:20000-1:100000 IHC 1:500-1:2000 IF 1:400-1:1600
Isotype: IgG2b	MW calculé: 458 aa, 52 kDa; 488 aa, 55 kDa	
Immunogen Catalog Number: AG21288	MW observés: 55 kDa	

## Applications

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

Demandes citées:  
IF, IP, WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Humain, rat

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

Contrôles positifs:

WB : cellules MCF-7, cellules HepG2, cellules Jurkat, cellules NCCIT

IHC : tissu de cancer du sein 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 raised against residues near the C terminus of human HDAC2.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Tianrong Xun	35753429	Toxicol Appl Pharmacol	WB, IF, IP

## 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.

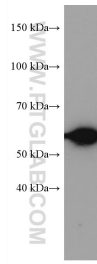
For technical support and original validation data for this product please contact:

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

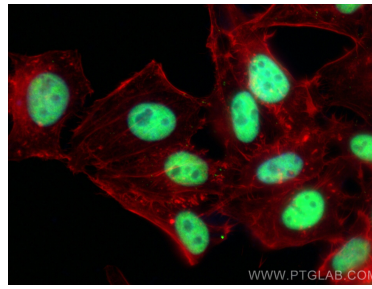
E: proteintech@ptglab.com  
W: ptglab.com

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

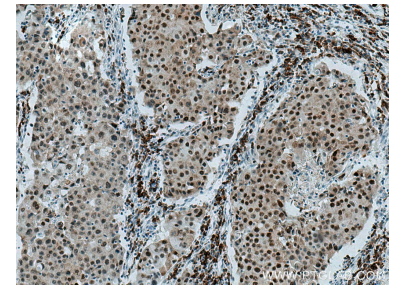
## Données de validation sélectionnées



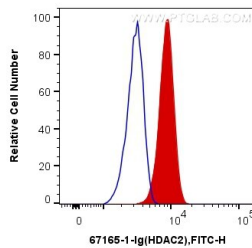
MCF-7 cells were subjected to SDS PAGE followed by western blot with 67165-1-Ig (HDAC2 antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HDAC2 antibody (67165-1-Ig, Clone: 1A3E4) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67165-1-Ig (HDAC2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug Anti-Human HDAC2 (67165-1-Ig, Clone:1A3E4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).