

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-HDAC6



Numéro de catalogue: 12834-1-AP

Phare

45 Publications

Informations de base

Numéro de catalogue:
12834-1-AP

Taille:
150ul, Concentration: 850 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG3572

Numéro d'acquisition GenBank:
BC013737

Identification du gène (NCBI):
10013

Nom complet:
histone deacetylase 6

MW calculé
1063 aa, 114 kDa, 131 kDa

MW observés:
160 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 1:500-1:2000
for WB
IHC 1:20-1:200
IF 1:50-1:500

Applications

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

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

Spécificité de l'espèce:
Humain

Espèces citées:
Humain

Contrôles positifs:

WB : cellules K-562, cellules HeLa, cellules HepG2,
tissu hépatique humain

IP : cellules K-562,

IHC : tissu testiculaire humain, tissu de cancer du
poumon humain, tissu de cancer du sein humain

IF : cellules HepG2,

**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 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. At least 4 classes of HDAC were identified. HDAC6 is a member of the class II mammalian histone deacetylases. It possesses two separate putative catalytic domains. Both catalytic domains are fully functional HDACs and contribute independently to the overall activity of HDAC6 protein. A very potent NES is present at the amino-terminus of HDAC6, which was found to play an important role in regulating the shuttling of HDAC6 protein between cytoplasm and nucleus. The shuttling process may be a critical regulatory mechanism of HDAC6 function. The expression of HDAC6 is tightly linked to the state of cell differentiation. HDAC6 may participate in coordinating expression of a group of genes involved in the remodelling of chromatin during cell differentiation. HDAC6 has some splicing variants such as P114(~130kd), P131(~160kd). This antibody is a rabbit polyclonal antibody raised against residues near the C terminal of human HDAC6. The calculated molecular weight of HDAC6 is 130 kDa, but the modified the HDAC6 is about 150-160 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Shixin Gong	36117192	Cell Regen	WB
Yijing Zheng	32926854	Am J Pathol	WB
Shenli Yuan	36068616	Genome Biol	WB,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 -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)

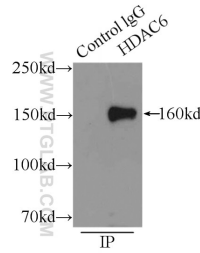
E: proteintech@ptglab.com
W: ptglab.com

**This product is exclusively available under Proteintech
Group brand and is not available to purchase from any
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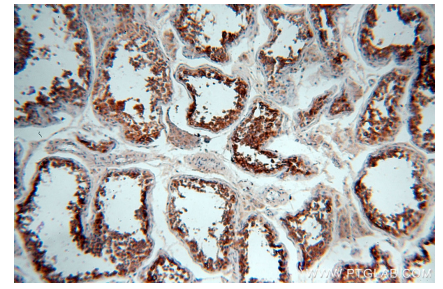
Données de validation sélectionnées



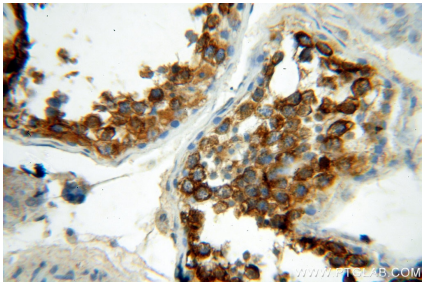
K-562 cells were subjected to SDS PAGE followed by western blot with 12834-1-AP (HDAC6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



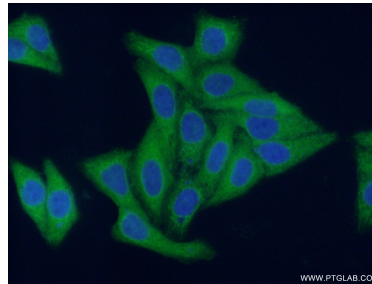
IP Result of anti-HDAC6 (IP:12834-1-AP, 5ug; Detection:12834-1-AP 1:1000) with K-562 cells lysate 11000ug.



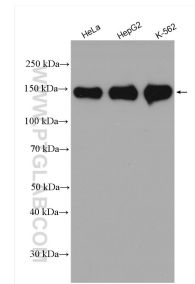
Immunohistochemical analysis of paraffin-embedded human testis using 12834-1-AP (HDAC6 antibody) at dilution of 1:50 (under 10x lens).



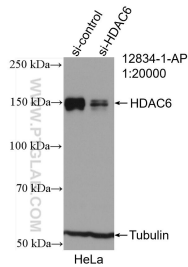
Immunohistochemical analysis of paraffin-embedded human testis using 12834-1-AP (HDAC6 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 12834-1-AP (HDAC6 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 12834-1-AP (HDAC6 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



WB result of HDAC6 antibody (12834-1-AP; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HDAC6 transfected HeLa cells.