À des fins de recherche uniquement

Anticorps Monoclonal anti-HDAC6

Numéro de catalogue:67250-1-Ig 1 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Informations de base

Numéro de catalogue:
67250-1-Ig

Taille:
150ul , Concentration: 1500 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG28585

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:
150-160 kDa

Méthode de purification:
Purification par protéine G

CloneNo.:
1C7C3

Dilutions recommandées:
WB 1:5000-1:50000
IHC 1:500-1:2000

Applications

Applications testées:
IHC, WB, ELISA

Demandes citées:
IF, WB

Spécificité de l'espèce:
Humain

Espèces citées:
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 HeLa, cellules HepG2, cellules HL-60, cellules Jurkat, cellules K-562, cellules MCF-7, cellules NCI-H1299, cellules THP-1

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

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 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
Pratibha Verma	36788143	Cell Tissue Res	WB,IF

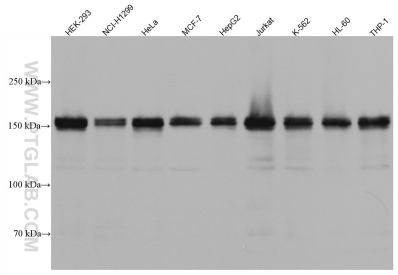
Stockage

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

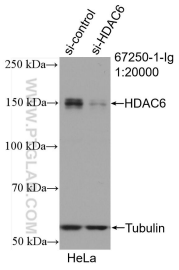
*** Les 20ul contiennent 0,1% de BSA.

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

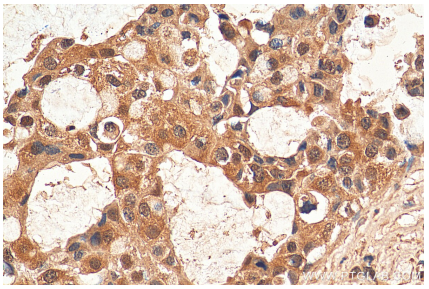
Données de validation sélectionnées



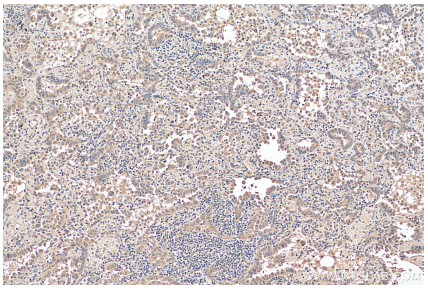
Various lysates were subjected to SDS PAGE followed by western blot with 67250-1-Ig (HDAC6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



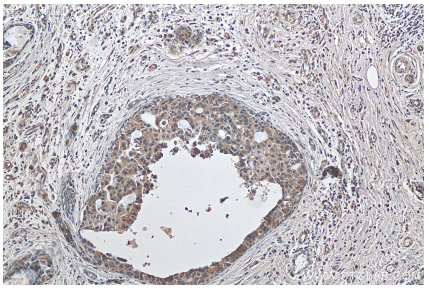
WB result of HDAC6 antibody (67250-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HDAC6 transfected HeLa cells.



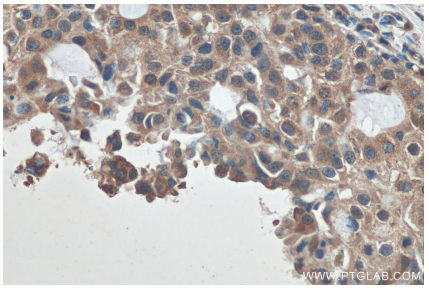
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67250-1-Ig (HDAC6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67250-1-Ig (HDAC6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67250-1-Ig (HDAC6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67250-1-Ig (HDAC6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).