À des fins de recherche uniquement

Anticorps Monoclonal anti-HDAC6

Numéro de catalogue:CL488-67250

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

Informations de base

Numéro de catalogue:
CL488-67250

Taille:
100ul , Concentration: 1000 μg/ml by Nanodrop;

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:
IF 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Applications testées:
FC (Intra), IF

Spécificité de l'espèce:
Humain

Contrôles positifs:

IF : cellules SH-SY5Y,

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.

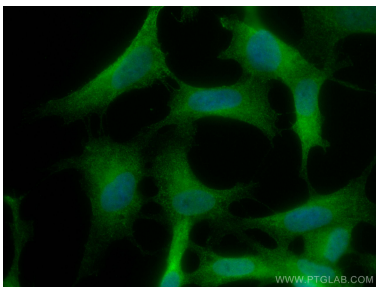
Stockage

Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliquotage n'est pas nécessaire pour le stockage à -20C

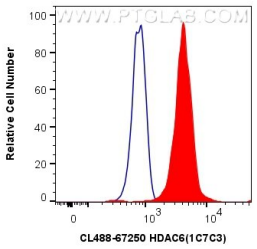
***** Les 20ul contiennent 0,1% de BSA.**

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



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using CoraLite® Plus 488 HDAC6 antibody (CL488-67250, Clone: 1C7C3) at dilution of 1:200.



1X10^6 SH-SY5Y cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human HDAC6 (CL488-67250, Clone:1C7C3) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).