For Research Use Only

HDAC2 Monoclonal antibody, PBS Only

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

Catalog Number:67165-1-PBS Featured Product

Basic Information

Catalog Number:
67165-1-PBS

Size:
1mg/ml

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG21288

GenBank Accession Number:
BC031055

GeneID (NCBI):
3066

UNIPROT ID:
Q92769

Full Name:
histone deacetylase 2

Calculated MW:
458 aa, 52 kDa; 488 aa,55 kDa

Observed MW:
55 kDa

Purification Method:
Protein A purification

CloneNo.:
1A3E4

Applications

Tested Applications:
WB, IF, IHC, ELISA

Species Specificity:
Human, mouse, rat

Background Information

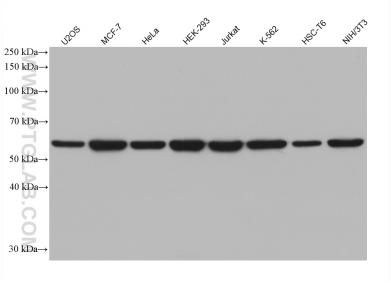
Histone deacetylases(HDAC) are a class of enzymes that remove the acetyl groups from the lysine residues leading to the formation of a condensed and transcriptionally silenced chromatin.Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation 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.

Storage

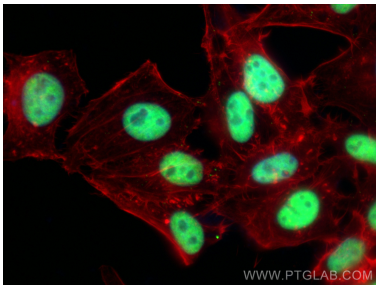
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

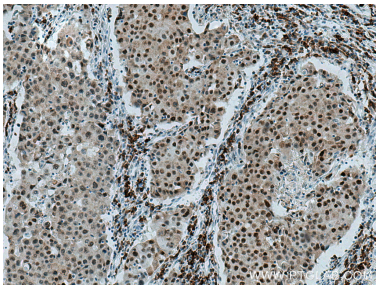
Selected Validation Data



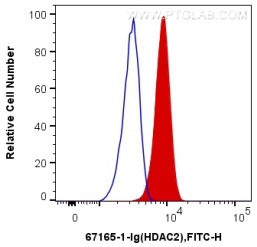
Various lysates were subjected to SDS PAGE followed by western blot with 67165-1-Ig (HDAC2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67165-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67165-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67165-1-PBS in a different storage buffer formulation.



1X10^6 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). This data was developed using the same antibody clone with 67165-1-PBS in a different storage buffer formulation.