

For Research Use Only

HDAC4 Monoclonal antibody, PBS Only

Catalog Number: 66838-1-PBS

Featured Product



Basic Information

Catalog Number:

66838-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG11345

GenBank Accession Number:

BC039904

GeneID (NCBI):

9759

UNIPROT ID:

P56524

Full Name:

histone deacetylase 4

Calculated MW:

972 aa, 106 kDa

Observed MW:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

1D2G12

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, Indirect ELISA

Species Specificity:

human, mouse

Background Information

HDAC4, also named as HDACA, belongs to the histone deacetylase family. HDAC4 is responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. HDAC4 is involved in muscle maturation via its interaction with the myocyte enhancer factors such as MEF2A, MEF2C and MEF2D.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

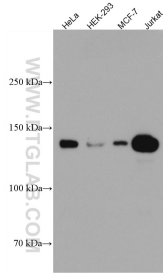
For technical support and original validation data for this product please contact:

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

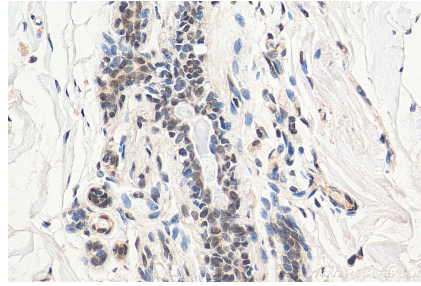
E: proteintech@ptglab.com
W: ptglab.com

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

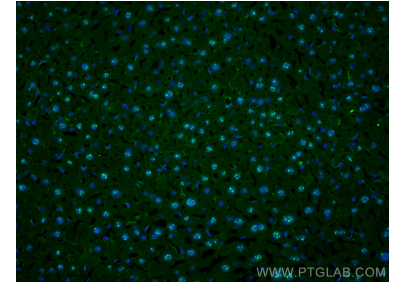
Selected Validation Data



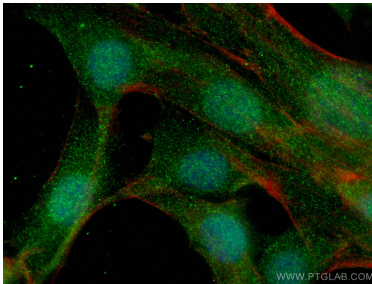
Various lysates were subjected to SDS PAGE followed by western blot with 66838-1-Ig (HDAC4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66838-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66838-1-Ig (HDAC4 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66838-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using HDAC4 antibody (66838-1-Ig, Clone: 1D2G12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66838-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed C2C12 cells using HDAC4 antibody (66838-1-Ig, Clone: 1D2G12) 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 66838-1-PBS in a different storage buffer formulation.