

For Research Use Only

HDAC3-specific Polyclonal antibody

Catalog Number: 16164-1-AP

Featured Product



Basic Information

Catalog Number:

16164-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_003883

GeneID (NCBI):

8841

UNIPROT ID:

O15379

Full Name:

histone deacetylase 3

Calculated MW:

49 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293T cells, HEK-293 cells, human stomach tissue, HeLa cells, HL-60 cells, MOLT-4 cells, NCI-H1299 cells

Background Information

Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. Histone deacetylase (HDAC) and histone acetyltransferase (HAT) are enzymes that regulate transcription by selectively deacetylating or acetylating the (-amino groups of lysines located near the amino termini of core histone proteins. At least 4 classes of HDAC were identified. HDAC3 is a class I HDAC. HDAC3 has histone deacetylase activity and may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. HDAC3 can also down-regulate p53 function and thus modulate cell growth and apoptosis. The gene encoding HDAC3 is regarded as a potential tumor suppressor gene. This antibody is a rabbit polyclonal antibody raised against a peptide mapping within human HDAC3. This antibody is specific to HDAC3, and will not cross react with other HDACs.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

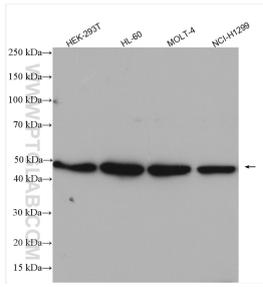
For technical support and original validation data for this product please contact:

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

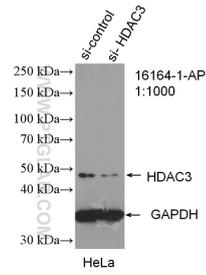
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16164-1-AP (HDAC3-specific antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



WB result of HDAC3-specific antibody (16164-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-HDAC3-specific transfected HeLa cells.