

For Research Use Only

HDAC3-specific Polyclonal antibody

Catalog Number: 16164-1-AP

Featured Product



Basic Information

Catalog Number:

16164-1-AP

Size:

350 µg/ml

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

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

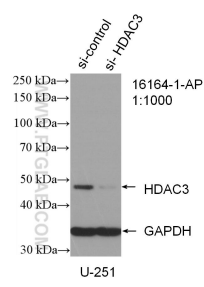
T: 4006900926

E: Proteintech-CN@ptglab.com

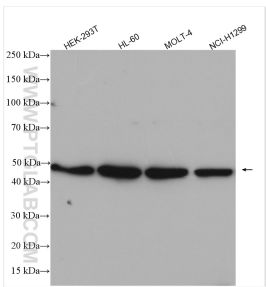
W: ptgcn.com

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Selected Validation Data



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.



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.