

HDAC3 Polyclonal Antibody

Catalog number: 10255-1-AP

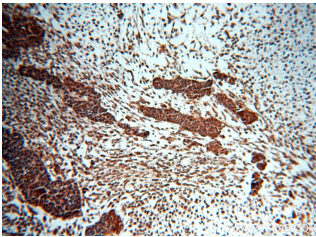
Size: 40 µg/150 µl

Source: Rabbit

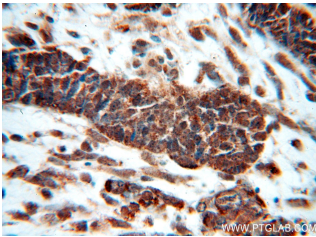
Isotype: IgG

Synonyms:

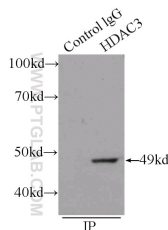
HDAC3; HD3, HDAC3, histone deacetylase 3, RPD3, RPD3 2, SMAP45



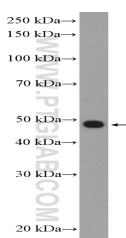
Immunohistochemical of paraffin-embedded human ovary tumor using 10255-1-AP (HDAC3 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human ovary tumor using 10255-1-AP (HDAC3 antibody) at dilution of 1:50 (under 40x lens)



IP Result of anti-HDAC3 (IP:10255-1-AP, 3µg; Detection:10255-1-AP 1:300) with A431 cells lysate 1200µg.



HL-60 cells were subjected to SDS PAGE followed by

Background

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 an internal region of human HDAC3.

Applications

Tested applications:	ELISA, IHC, IP, WB
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mice, mouse, rat
Calculated HDAC3 MW:	49 kDa
Observed HDAC3 MW:	49 kDa
Positive WB detected in	HL-60 cells, A431 cells, HeLa cells
Positive IP detected in	A431 cells
Positive IHC detected in	Human ovary tumor tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:1000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0396
GenBank accession number:	BC000614
Gene ID (NCBI):	8841
Full name:	Histone deacetylase 3

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

western blot with 10255-1-
AP(HDAC3 Antibody) at
dilution of 1:1000