

HDAC1 Polyclonal Antibody

Catalog number: 10197-1-AP

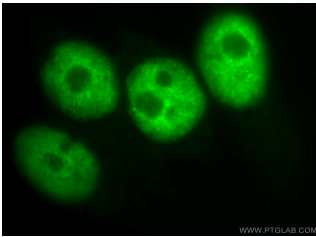
Size: 30 µg/150 µl

Source: Rabbit

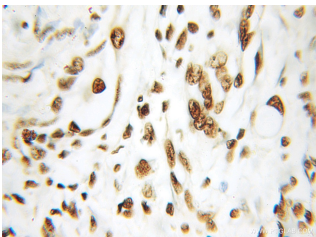
Isotype: IgG

Synonyms:

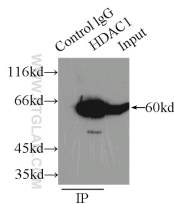
HDAC1; DKFZp686H12203,
GON 10, HD1, HDAC1, histone
deacetylase 1, RPD3, RPD3L1



Immunofluorescent analysis of SH-SY5Y cells, using HDAC1 antibody 10197-1-AP at 1:50 dilution and FITC-labeled donkey anti-rabbit IgG(green).



Immunohistochemical of paraffin-embedded human pancreas cancer using 10197-1-AP(HDAC1 antibody) at dilution of 1:100 (under 10x lens)



IP Result of anti-HDAC1 (IP:10197-1-AP, 3µg; Detection:10197-1-AP 1:500) with mouse testis tissue lysate 10000µg.

Background

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. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex, which is responsible for gene expression silencing. It also plays an important role in the control of cell proliferation and differentiation by interacting with RB, p53 and other transcription factors. At least 4 classes of HDAC were identified. As a class I HDAC, HDAC 1 was primarily found in the nucleus. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human HDAC1.

Applications

Tested applications:	ELISA, WB, IHC, IF, IP, FC
Cited applications:	IHC, WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Cited species:	Human, rat
Calculated HDAC1 MW:	55 kDa
Observed HDAC1 MW:	60 kDa
Positive WB detected in	HepG2 cells, HeLa cells, mouse testis tissue, rat testis tissue
Positive IP detected in	Mouse testis tissue
Positive IHC detected in	Human pancreas cancer tissue, human pancreas tissue, human testis tissue
Positive IF detected in	SH-SY5Y cells
Positive FC detected in	HeLa cells, SH-SY5Y cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200 FC: N/A

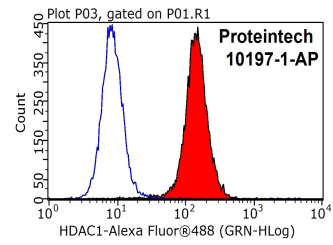
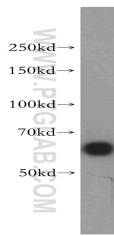
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0256
GenBank accession number:	BC000301
Gene ID (NCBI):	3065
Full name:	Histone deacetylase 1

Product information

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



HepG2 cells were subjected to SDS PAGE followed by western blot with 10197-1-AP(HDAC1 antibody) at dilution of 1:500

1X10⁶ HeLa cells were stained with 0.2ug HDAC1 antibody (10197-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.