

HDAC1-specific Polyclonal ANTIBODY

Catalog Number: 16160-1-AP

Basic Information

Catalog Number:
16160-1-AP

Size:
20 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:

GenBank Accession Number:
NM_004964

GeneID (NCBI):
3065

Full Name:
histone deacetylase 1

Calculated MW:
55 kDa

Observed MW:
60 kDa

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IF 1:10-1:100

Applications

Tested Applications:
IF, IP, WB, ELISA

Species Specificity:
human,mouse,rat

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse testis tissue; mouse brain tissue, mouse thymus tissue

IP : mouse testis tissue;

IF : HepG2 cells;

Background Information

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/alpha 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 a peptide mapping near the N-terminus of human HDAC1 and is specific to HDAC1. It does not react with other HDACs.

Notable Publications

Author	Pubmed ID	Journal	Application
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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

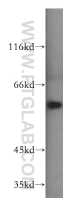
For technical support and original validation data for this product please contact:

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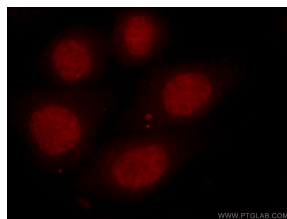
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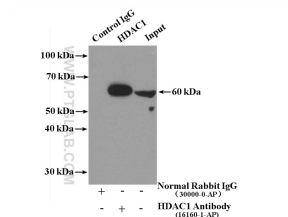
Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 16160-1-AP(HDAC1-specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



Immunofluorescent analysis of HepG2 cells using 16160-1-AP(HDAC1-specific antibody) at dilution of 1:25 and Rhodamine-Coat anti-Rabbit IgG



IP Result of anti-HDAC1-specific (IP:16160-1-AP, 4 μ g; Detection:16160-1-AP 1:500) with mouse testis tissue lysate 4000 μ g.