For Research Use Only

HDAC9 Polyclonal antibody

Catalog Number:28334-1-AP

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Basic Information

Catalog Number:
28334-1-AP

Size:
150ul , Concentration: 450 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG28514

GenBank Accession Number:
BC152405

GeneID (NCBI):
9734

UNIPROT ID:
Q9UKV0

Full Name:
histone deacetylase 9

Calculated MW:
1011 aa, 111 kDa

Observed MW:
57 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
Human, Mouse

Positive Controls:

WB : BxPC-3 cells, MDA-MB-231 cells, MDA-MB-468 cells, mouse brain tissue

IF/ICC : SH-SY5Y cells,

Background Information

HDAC9, also named as Histone deacetylase 7B, is a 1011 amino acid protein, which is responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3, and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression, and developmental events. HDAC9 represses MEF2-dependent transcription. HDAC9 is broadly expressed, with highest levels in brain, heart, muscle, and testis. HDAC9 has 11 isoforms produced by alternative splicing. The observed molecular weight of HDAC9 is 57 kDa, which represents alternate isoforms of HDAC9.

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
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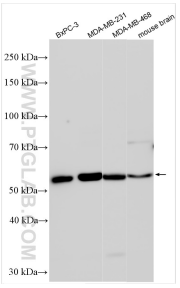
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28334-1-AP (HDAC9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using HDAC9 antibody (28334-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).