

For Research Use Only

# HDAC9 Monoclonal antibody

Catalog Number: 67364-1-Ig **2 Publications**



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>67364-1-Ig   | <b>GenBank Accession Number:</b><br>BC152405 | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>150ul , Concentration: 1700 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>9734                | <b>CloneNo.:</b><br>1G6C5                             |
| <b>Source:</b><br>Mouse  | <b>Full Name:</b><br>histone deacetylase 9   | <b>Recommended Dilutions:</b><br>WB 1:1000-1:4000     |
| <b>Isotype:</b><br>IgG2a   | <b>Calculated MW:</b><br>1011 aa, 111 kDa    |   |
| <b>Immunogen Catalog Number:</b><br>AG28514  | <b>Observed MW:</b><br>130 kDa               |   |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>WB, ELISA | <b>Positive Controls:</b><br>WB : HeLa cells, Daudi cells, HepG2 cells, Raji cells, K-562 cells, Ramos cells |
| <b>Cited Applications:</b><br>WB         |  |
| <b>Species Specificity:</b><br>Human     |  |
| <b>Cited Species:</b><br>human           |  |

## 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.

## Notable Publications

| Author        | Pubmed ID | Journal          | Application |
|---------------|-----------|------------------|-------------|
| Yingtong Feng | 35595735  | Cell Death Dis   | WB          |
| Jia-Yi Ning   | 37602334  | Int J Ophthalmol | WB          |

## Storage

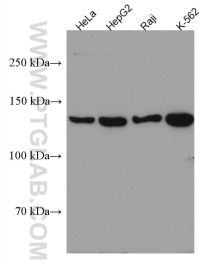
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67364-1-Ig (HDAC9 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.