

Datasheet for ABIN7297654  
**anti-HDAC9 antibody (C-Term)**



[Go to Product page](#)

3 Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | HDAC9  |
| Binding Specificity: | C-Term   |
| Reactivity:          | Human, Rat, Mouse  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This HDAC9 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF),<br>Immunochromatography (IC) |

## Product Details

|                  |   |
|------------------|---|
| Immunogen:       | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Histone Deacetylase 9. |
| Specificity:     | Recognizes endogenous levels of Histone Deacetylase 9 protein.  |
| Characteristics: | Rabbit polyclonal antibody to Histone Deacetylase 9   |
| Purification:    | The antibody was purified by immunogen affinity chromatography.   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | HDAC9  |
| Alternative Name: | Histone Deacetylase 9 ( <a href="#">HDAC9 Products</a> ) |

### Target Details

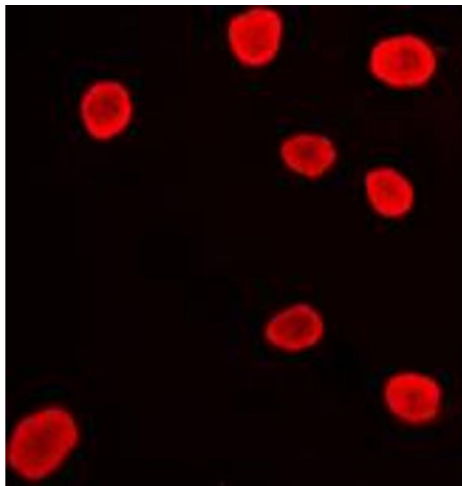
|             |   |
|-------------|---|
| Background: | Histone deacetylase 9, HD9, Histone deacetylase 7B, HD7, HD7b, Histone deacetylase-related protein, MEF2-interacting transcription repressor MITR, HDAC9, HDAC7, HDAC7B, HDRP, KIAA0744, MITR |
| Gene ID:    | 9734  |
| UniProt:    | <a href="#">Q9UKV0</a>  |
| Pathways:   | <a href="#">Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development</a>  |

### Application Details

|                    |  |
|--------------------|--|
| Application Notes: | WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500) |
| Restrictions:      | For Research Use only  |

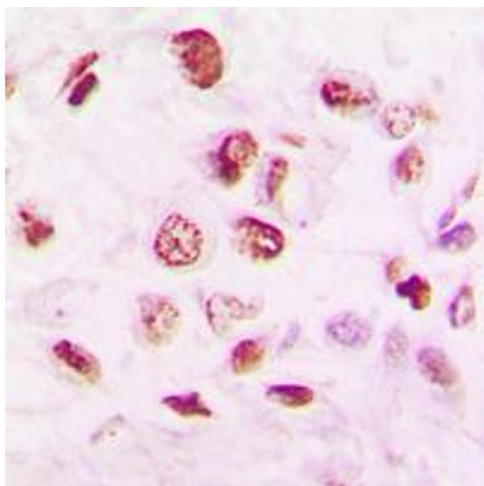
### Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Buffer:            | Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.          |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                       |
| Expiry Date:       | 12 months  |



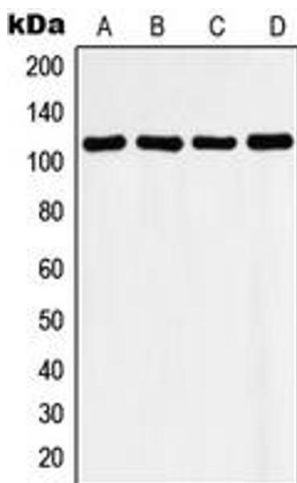
### Immunofluorescence

**Image 1.** Immunofluorescent analysis of Histone Deacetylase 9 staining in Ramos cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of Histone Deacetylase 9 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



### Western Blotting

**Image 3.** Western blot analysis of Histone Deacetylase 9 expression in LO2 (A), mouse heart (B), rat heart (C), Ramos (D) whole cell lysates.