

# HDAC5 Polyclonal Antibody

Catalog Number: E-AB-61573



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

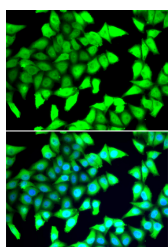
## Description

|                     |   |
|---------------------|---|
| <b>Reactivity</b>   | Human   |
| <b>Immunogen</b>    | A synthetic peptide of human HDAC5 (NP_005465.2). |
| <b>Host</b>         | Rabbit  |
| <b>Isotype</b>      | IgG   |
| <b>Purification</b> | Affinity purification                             |
| <b>Conjugation</b>  | Unconjugated                                      |
| <b>Formulation</b>  | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

## Applications Recommended Dilution

|           |           |
|-----------|-----------|
| <b>IF</b> | 1:20-1:50 |
|-----------|-----------|

## Data



Immunofluorescence analysis of A549 cells using HDAC5 Polyclonal Antibody

## Preparation & Storage

|                |   |
|----------------|---|
| <b>Storage</b> | Store at -20°C. Avoid freeze / thaw cycles. |
|----------------|---|

## Background

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene.

## For Research Use Only

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