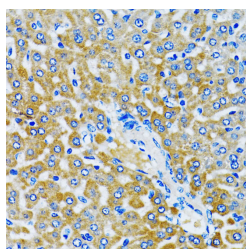


## HDAC5 Polyclonal Antibody

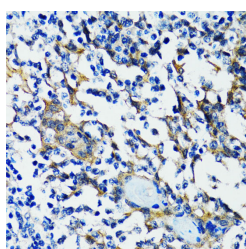
|                     |   |                   |        |
|---------------------|---|-------------------|--------|
| <b>Catalog No.</b>  | E-AB-63255                                  | <b>Reactivity</b> | H,M,R  |
| <b>Storage</b>      | Store at -20°C. Avoid freeze / thaw cycles. | <b>Host</b>       | Rabbit |
| <b>Applications</b> | IHC,IF                                      | <b>Isotype</b>    | IgG    |

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

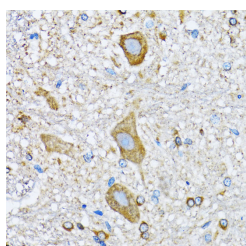
### Images



Immunohistochemistry of paraffin-embedded Rat liver using HDAC5 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human tonsil using HDAC5 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse spinal cord using HDAC5 Polyclonal Antibody at dilution of 1:100 (40x lens).

### Immunogen Information

|                  |   |
|------------------|---|
| <b>Immunogen</b> | A synthetic peptide of human HDAC5 (NP_005465.2). |
| <b>GeneID</b>    | 10014   |
| <b>Swissprot</b> | Q9UQL6  |
| <b>Synonyms</b>  | HDAC5,HD5,NY-CO-9                                 |

### Product Information

|                 |   |
|-----------------|---|
| <b>Buffer</b>   | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| <b>Purify</b>   | Affinity purification                             |
| <b>Dilution</b> | IHC 1:50-1:200 IF 1:50-1:200                      |

### 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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.