

## HDAC5

**Reactivity:**Human Mouse

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50

**Calculated MW:**122kDa

**Observed MW:**Refer to figures

**Immunogen:**

A synthetic peptide of human HDAC5

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

fp

**Synonym:**

HD5; NY-CO-9;

**Catalog #:**A7189

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**10014

**Isotype:**IgG

**Swiss Prot:**Q9UQL6

**Purity:**Affinity purification

For research use only.

**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/alpha 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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