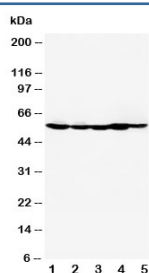


## HDAC2 Antibody (R30416)

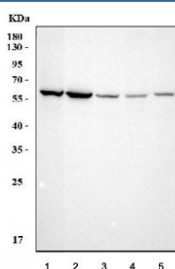
Catalog No.	Formulation	Size
R30416	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q92769
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This HDAC2 antibody is available for research use only.



Western blot testing of HDAC2 antibody and Lane 1: MM453; 2: MCF-7; 3: HeLa; 4: SMMC-7721; 5: COLO320. Predicted molecular weight: 55-60 kDa.



Western blot testing of 1) human K562, 2) ThP-1, 3) rat brain, 4) rat lung and 5) mouse brain tissue lysate with HDAC2 antibody. Predicted molecular weight: 55-60 kDa.

## Description

Histone deacetylase 2 is an enzyme that in humans is encoded by the HDAC2 gene. This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes and are responsible for the deacetylation of lysine residues on the N-terminal region of the core histones(H2A, H2B, H3 and H4). This protein also forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus it plays an important role in transcriptional regulation, cell cycle progression and developmental events. Betz et al.(1998) performed PCR using HDAC2-specific primers to screen a somatic cell hybrid mapping panel. They mapped the HDAC2 gene to human chromosome 6q21, a region of the genome altered in some cancers, including retinoblastoma.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the HDAC2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of human HDAC2 (EDKSKDNSGEKTDTK) was used as the immunogen for this HDAC2 antibody.

## Storage

After reconstitution, the HDAC2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.