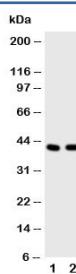


## HDAC8 Antibody (R30669)

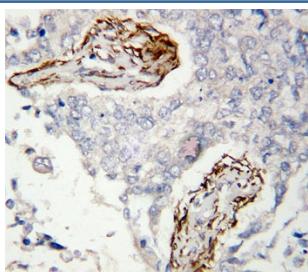
Catalog No.	Formulation	Size
R30669	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**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 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	Q9BY41
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This HDAC8 antibody is available for research use only.



Western blot testing of HDAC8 antibody and Lane 1: rat heart; 2: human A549 cell lysate



IHC-P: HDAC8 antibody testing of human lung cancer tissue

## Description

Histone deacetylase 8 is an enzyme that in humans is encoded by the HDAC8 gene, and is biologically involved in skull morphogenesis and metabolic control of the ERR-alpha/PGC1-alpha transcriptional complex. Sequence analysis predicted that the 377-amino acid HDAC8 protein contains the 9 conserved HDAC blocks that are presumably important for catalytic function. HDAC8 shares 54% sequence similarity with HDAC1 and HDAC2 and 39% similarity with HDAC3, making it a class I HDAC. 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 class I of the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the HDAC8 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the N-terminus of human HDAC8 (YIYSPEYVSMCDSLAK) was used as the immunogen for this HDAC8 antibody.

## Storage

After reconstitution, the HDAC8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.