

HDAC8 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10453**Specification**

HDAC8 Antibody - Product Information

Application	WB, IHC, IP
Primary Accession	Q8VH37
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	41772

HDAC8 Antibody - Additional Information**Gene ID** 70315

Application & Usage	Western blotting (0.5-4 µg/ml), immunoprecipitation (10-20 µg/ml), and Immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually.
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Other Names
HD8 , RPD3 , HDACL1**Target/Specificity**
HDAC8**Antibody Form**
Liquid**Appearance**
Colorless liquid**Formulation**
100 µg (0.2 mg/ml) protein A purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.**Handling**
The antibody solution should be gently mixed before use.**Reconstitution & Storage**
-20 °C**Background Descriptions****Precautions**
HDAC8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

HDAC8 Antibody - Protein Information

Name Hdac8

Function

Histone deacetylase that catalyzes the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Also involved in the deacetylation of cohesin complex protein SMC3 regulating release of cohesin complexes from chromatin. May play a role in smooth muscle cell contractility. In addition to protein deacetylase activity, also has protein-lysine deacylase activity: acts as a protein decrotonylase by mediating decrotonylation ((2E)-butenoyl) of histones.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q9BY41}. Chromosome {ECO:0000250|UniProtKB:Q9BY41}. Cytoplasm {ECO:0000250|UniProtKB:Q9BY41}. Note=Excluded from the nucleoli. Found in the cytoplasm of cells showing smooth muscle differentiation {ECO:0000250|UniProtKB:Q9BY41}

HDAC8 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HDAC8 Antibody - Images

HDAC8 Antibody - Background

Mammalian HDAC-8, isolated from human kidney, is a member of the histone deacetylase family. HDAC-8 shares homology with other HDACs in the family, but has different tissue distribution. HDAC-8 is localized to the nucleus and plays a role in the tissue development as well as cancer etiology.