

HDAC8 Rabbit mAb
Catalog # AP75533**Specification**

HDAC8 Rabbit mAb - Product Information

Application	WB, IP
Primary Accession	Q9BY41
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	41758

HDAC8 Rabbit mAb - Additional Information**Gene ID** 55869**Other Names**
HDAC8**Dilution**
WB~~1/500-1/1000
IP~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**HDAC8 Rabbit mAb - Protein Information****Name** HDAC8 {ECO:0000303|PubMed:10926844, ECO:0000312|HGNC:HGNC:13315}**Function**

Histone deacetylase that catalyzes the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4) (PubMed:10748112, PubMed:10922473, PubMed:10926844, PubMed:14701748, PubMed:28497810). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events (PubMed:10748112, PubMed:10922473, PubMed:10926844, PubMed:14701748). Histone deacetylases act via the formation of large multiprotein complexes (PubMed:10748112, PubMed:10922473, PubMed:10926844, PubMed:14701748).

[10748112](http://www.uniprot.org/citations/10748112), PubMed:<[10922473](http://www.uniprot.org/citations/10922473)>, PubMed:<[10926844](http://www.uniprot.org/citations/10926844)>, PubMed:<[14701748](http://www.uniprot.org/citations/14701748)>). Also involved in the deacetylation of cohesin complex protein SMC3 regulating release of cohesin complexes from chromatin (PubMed:<[22885700](http://www.uniprot.org/citations/22885700)>). May play a role in smooth muscle cell contractility (PubMed:<[15772115](http://www.uniprot.org/citations/15772115)>). In addition to protein deacetylase activity, also has protein-lysine deacylase activity: acts as a protein decrotonylase by mediating decrotonylation ((2E)-butenoyl) of histones (PubMed:<[28497810](http://www.uniprot.org/citations/28497810)>).

Cellular Location

Nucleus. Chromosome Cytoplasm Note=Excluded from the nucleoli (PubMed:10748112). Found in the cytoplasm of cells showing smooth muscle differentiation (PubMed:15772115, PubMed:16538051).

Tissue Location

Weakly expressed in most tissues. Expressed at higher level in heart, brain, kidney and pancreas and also in liver, lung, placenta, prostate and kidney.

HDAC8 Rabbit mAb - 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 Rabbit mAb - Images

