

# HDAC8 Rabbit mAb

Catalog # AP75533

## Product Information

Application	WB, IP
Primary Accession	<a href="#">Q9BY41</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	41758

## Additional Information

Gene ID	55869
Other Names	HDAC8
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	Liquid

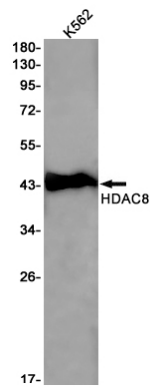
## Protein Information

Name	HDAC8 {ECO:0000303   PubMed:10926844, ECO:0000312   HGNC:HGNC:13315}
Function	<p>Histone deacetylase that catalyzes the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4) (PubMed:<a href="#">10748112</a>, PubMed:<a href="#">10922473</a>, PubMed:<a href="#">10926844</a>, PubMed:<a href="#">14701748</a>, PubMed:<a href="#">28497810</a>). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events (PubMed:<a href="#">10748112</a>, PubMed:<a href="#">10922473</a>, PubMed:<a href="#">10926844</a>, PubMed:<a href="#">14701748</a>). Histone deacetylases act via the formation of large multiprotein complexes (PubMed:<a href="#">10748112</a>, PubMed:<a href="#">10922473</a>, PubMed:<a href="#">10926844</a>, PubMed:<a href="#">14701748</a>). Also involved in the deacetylation of cohesin complex protein SMC3 regulating release of cohesin complexes from chromatin (PubMed:<a href="#">22885700</a>). May play a role in smooth muscle cell contractility (PubMed:<a href="#">15772115</a>). 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:<a href="#">28497810</a>).</p>
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.

## Images

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