

HDAC8 Antibody

Rabbit mAb Catalog # AP90904

Product Information

Application	WB, FC, IP
Primary Accession	<u>Q9BY41</u>
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Histone deacetylase 8; HD8; HDAC8; HDACL1; CDA07; RPD 3; MRXS6;
lsotype	Rabbit IgG
Host	Rabbit
Calculated MW	41758

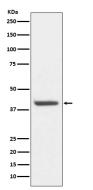
Additional Information

Dilution Purification Immunogen Description Storage Condition and Buffer	WB 1:5000~1:20000 IP 1:50 FC 1:50 Affinity-chromatography A synthesized peptide derived from human HDAC8 Responsible for 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. May play a role in smooth muscle cell contractility. Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Protein Information	
Name	HDAC8 {ECO:0000303 PubMed:10926844,

ECO:0000312 | HGNC:HGNC:13315}FunctionHistone 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:10748112, PubMed:10922473, PubMed:10926844,
PubMed:14701748). Histone deacetylases act via the formation of large
multiprotein complexes (PubMed:10748112, PubMed:10922473,
PubMed:10926844, PubMed:10926844, PubMed:109

	contractility (PubMed: <u>15772115</u>). 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: <u>28497810</u>).
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



Western blot analysis of HDAC8 expression in HeLa cell lysate.

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