

HDAC10 Antibody
Rabbit mAb
Catalog # AP90884**Specification**

HDAC10 Antibody - Product Information

Application	WB, ICC, IP
Primary Accession	Q969S8
Clonality	Monoclonal
Other Names	
HD10; HDAC 10; Hdac10; Histone deacetylase 10; MGC149722;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	71445 Da

HDAC10 Antibody - Additional Information

Dilution	WB~~1:1000 ICC~~N/A IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human HDAC10
Description	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.
Storage Condition and Buffer	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.

HDAC10 Antibody - Protein Information**Name** HDAC10**Function**

Polyamine deacetylase (PDAC), which acts preferentially on N(8)-acetylspermidine, and also on acetylcadaverine and acetylputrescine (PubMed: [28516954](http://www.uniprot.org/citations/28516954)). Exhibits attenuated catalytic activity toward N(1),N(8)-diacetylspermidine and very low activity, if any, toward N(1)-acetylspermidine (PubMed: [28516954](http://www.uniprot.org/citations/28516954))

target="_blank">28516954). Histone deacetylase activity has been observed in vitro (PubMed:11677242, PubMed:11726666, PubMed:11739383, PubMed:11861901). Has also been shown to be involved in MSH2 deacetylation (PubMed:26221039). The physiological relevance of protein/histone deacetylase activity is unclear and could be very weak (PubMed:28516954). May play a role in the promotion of late stages of autophagy, possibly autophagosome- lysosome fusion and/or lysosomal exocytosis in neuroblastoma cells (PubMed:23801752, PubMed:29968769). May play a role in homologous recombination (PubMed:21247901). May promote DNA mismatch repair (PubMed:26221039).

Cellular Location

Cytoplasm. Nucleus Note=Excluded from nucleoli.

Tissue Location

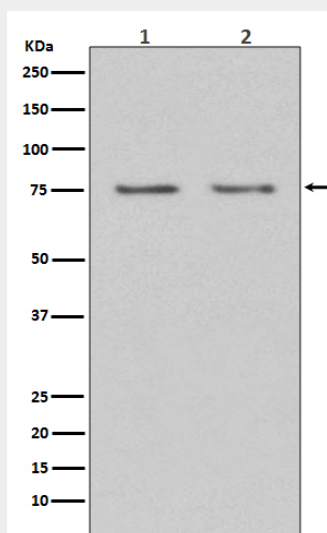
Widely expressed with high levels in liver and kidney.

HDAC10 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](#)

HDAC10 Antibody - Images



Western blot analysis of HDAC10 expression in (1) HeLa cell lysate; (2) 3T3 cell lysate.