

Histone deacetylase 10 Polyclonal Antibody
Catalog # AP70329**Specification****Histone deacetylase 10 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	Q969S8
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal

Histone deacetylase 10 Polyclonal Antibody - Additional Information**Gene ID** 83933**Other Names**

HDAC10; Histone deacetylase 10; HD10

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Histone deacetylase 10 Polyclonal 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)). Histone deacetylase activity has been observed in vitro (PubMed: [11861901](http://www.uniprot.org/citations/11861901), PubMed: [11726666](http://www.uniprot.org/citations/11726666), PubMed: [11677242](http://www.uniprot.org/citations/11677242), PubMed: [11739383](http://www.uniprot.org/citations/11739383)). Has also been shown to be involved in MSH2 deacetylation (PubMed: [26221039](http://www.uniprot.org/citations/26221039)). The physiological relevance of protein/histone deacetylase activity is unclear and could be very weak (PubMed: [28516954](http://www.uniprot.org/citations/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

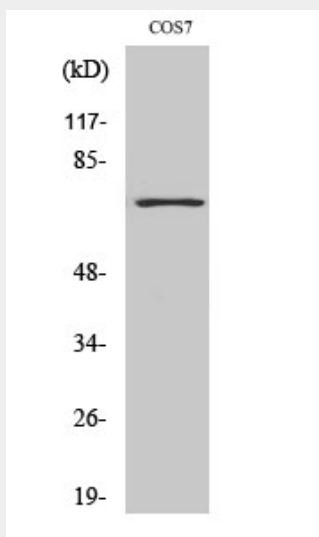
Widely expressed with high levels in liver and kidney.

Histone deacetylase 10 Polyclonal 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](#)

Histone deacetylase 10 Polyclonal Antibody - Images



Histone deacetylase 10 Polyclonal Antibody - Background

Polyamine deacetylase (PDAC), which acts preferentially on N(8)-acetylspermidine, and also on acetylcadaverine and acetylputrescine (PubMed:28516954). Exhibits attenuated catalytic activity toward N(1),N(8)-diacetylspermidine and very low activity, if any, toward N(1)-acetylspermidine (PubMed:28516954). Histone deacetylase activity has been observed in vitro (PubMed:11861901, PubMed:11726666, PubMed:11677242, PubMed:11739383). 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).