

## Histone deacetylase 10 Polyclonal Antibody

Catalog # AP70329

### Specification

#### Histone deacetylase 10 Polyclonal Antibody - Product Information

|                   |                           |
|-------------------|---------------------------|
| Application       | WB                        |
| Primary Accession | <a href="#">Q969S8</a>    |
| 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 0.02% sodium azide.

#### Storage Conditions

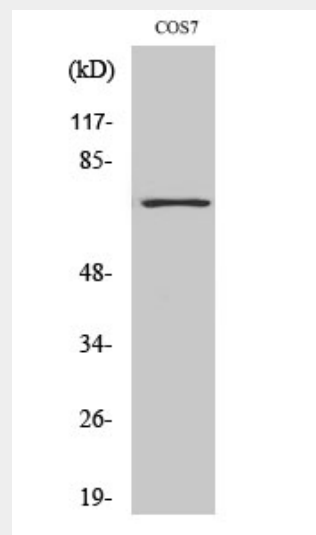
-20°C

#### 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:<a href="http://www.uniprot.org/citations/28516954" target="\_blank">28516954</a>). Exhibits attenuated catalytic activity toward N(1),N(8)-diacetylspermidine and very low activity, if any, toward N(1)-acetylspermidine (PubMed:<a href="ht



#### 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).

[tp://www.uniprot.org/citations/28516954](http://www.uniprot.org/citations/28516954)  
target="\_blank">28516954</a>). Histone  
deacetylase activity has been observed in  
vitro (PubMed:<a href="http://www.uniprot.  
org/citations/11861901"  
target="\_blank">11861901</a>,  
PubMed:<a href="http://www.uniprot.org/ci  
tations/11726666"  
target="\_blank">11726666</a>,  
PubMed:<a href="http://www.uniprot.org/ci  
tations/11677242"  
target="\_blank">11677242</a>,  
PubMed:<a href="http://www.uniprot.org/ci  
tations/11739383"  
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exocytosis in neuroblastoma cells  
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href="http://www.uniprot.org/citations/2622  
1039" target="\_blank">26221039</a>).

**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](#)