

HDAC-10 Blocking Peptide
Catalog # PBV10264b**Specification**

HDAC-10 Blocking Peptide - Product Information

Primary Accession	O969S8
Other Accession	AAL30513
Gene ID	83933
Calculated MW	71445

HDAC-10 Blocking Peptide - Additional Information**Gene ID** 83933**Application & Usage**

The peptide is used for blocking the antibody activity of HDAC-10. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Histone deacetylase 10, HD10, 3.5.1.98, HDAC10

Target/Specificity

HDAC-10

Formulation

50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

HDAC-10 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

HDAC-10 Blocking Peptide - Protein Information**Name** HDAC10**Function**

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).

Cellular Location

Cytoplasm. Nucleus Note=Excluded from nucleoli.

Tissue Location

Widely expressed with high levels in liver and kidney.

HDAC-10 Blocking Peptide - 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](#)

HDAC-10 Blocking Peptide - Images