

HDAC-8 Blocking Peptide
Catalog # PBV10262b**Specification**

HDAC-8 Blocking Peptide - Product Information

Primary Accession	Q8VH37
Gene ID	70315
Calculated MW	41772

HDAC-8 Blocking Peptide - Additional Information**Gene ID** 70315**Application & Usage**

The peptide is used for blocking the antibody activity of HDAC-8. 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 8, HD8, 3.5.1.98, Hdac8

Target/Specificity

HDAC-8

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-8 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

HDAC-8 Blocking Peptide - Protein Information**Name** Hdac8**Function**

Histone deacetylase that catalyzes 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. Also involved in the deacetylation of cohesin complex protein SMC3 regulating release of cohesin complexes from chromatin. May play a role in smooth muscle cell contractility. In addition to protein deacetylase activity, also has protein-lysine deacylase activity: acts as a protein decrotonylase by mediating decrotonylation ((2E)-butenoyl) of histones.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q9BY41}. Chromosome {ECO:0000250|UniProtKB:Q9BY41}. Cytoplasm {ECO:0000250|UniProtKB:Q9BY41}. Note=Excluded from the nucleoli. Found in the cytoplasm of cells showing smooth muscle differentiation {ECO:0000250|UniProtKB:Q9BY41}

HDAC-8 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-8 Blocking Peptide - Images