

Hdac6 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11451**Specification**

Hdac6 Antibody - C-terminal region - Product Information

Application	CHIP, IHC, WB
Primary Accession	O9Z2V5
Other Accession	NM_010413 , NP_034543
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog
Predicted Host	Human, Mouse, Rat, Pig, Bovine, Dog
Clonality	Rabbit
Calculated MW	Polyclonal 126kDa KDa

Hdac6 Antibody - C-terminal region - Additional Information**Gene ID** 15185**Alias Symbol** **Hd6, Hdac5, Sfc6, mHDA2****Other Names**

Histone deacetylase 6, HD6, 3.5.1.98, Histone deacetylase mHDA2, Hdac6

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Hdac6 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Hdac6 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Hdac6 Antibody - C-terminal region - Protein Information**Name** Hdac6 {ECO:0000312|MGI:MGI:1333752}**Function**

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4) (PubMed:9891014). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events (PubMed:9891014). Histone deacetylases act via the formation of large multiprotein complexes (PubMed:9891014). In addition to histones, deacetylates other proteins, such as

CTTN, tubulin and SQSTM1 (PubMed:19893491, PubMed:27737934). Plays a central role in microtubule-dependent cell motility by mediating deacetylation of tubulin (PubMed:19893491, PubMed:27737934). Required for cilia disassembly; via deacetylation of alpha-tubulin (By similarity). Promotes deacetylation of CTTN, leading to actin polymerization, promotion of autophagosome-lysosome fusion and completion of autophagy (By similarity). Promotes odontoblast differentiation following IPO7-mediated nuclear import and subsequent repression of RUNX2 expression (PubMed:35922041). In addition to its protein deacetylase activity, plays a key role in the degradation of misfolded proteins: when misfolded proteins are too abundant to be degraded by the chaperone refolding system and the ubiquitin- proteasome, mediates the transport of misfolded proteins to a cytoplasmic juxtanuclear structure called aggresome (By similarity). Probably acts as an adapter that recognizes polyubiquitinated misfolded proteins and target them to the aggresome, facilitating their clearance by autophagy (PubMed:22819792).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton. Nucleus. Perikaryon Cell projection, dendrite. Cell projection, axon. Cell projection, cilium {ECO:0000250|UniProtKB:Q9UBN7}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q9UBN7} Cytoplasm, cytoskeleton, cilium basal body {ECO:0000250|UniProtKB:Q9UBN7}. Note=It is mainly cytoplasmic, where it is associated with microtubules.

Tissue Location

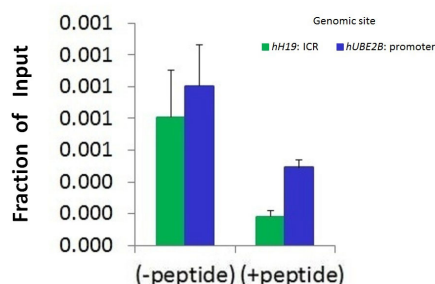
Expressed in neurons of the cortex. Expressed in Purkinje cells. Detected in keratinocytes (at protein level)

Hdac6 Antibody - C-terminal region - Protocols

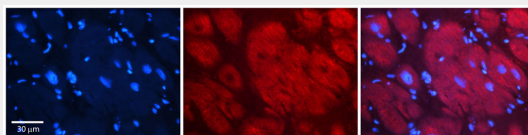
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Hdac6 Antibody - C-terminal region - Images



Chromatin Immunoprecipitation (ChIP) Using Hdac6 Antibody - C-terminal region (A111451) and HCT116 Cells



Rabbit Anti-Hdac6 Antibody

Catalog Number: A111451

Formalin Fixed Paraffin Embedded Tissue: Human Adult heart Observed Staining: Cytoplasmic

Primary Antibody

Concentration: 1:600

Secondary Antibody: Donkey anti-Rabbit-Cy2/3

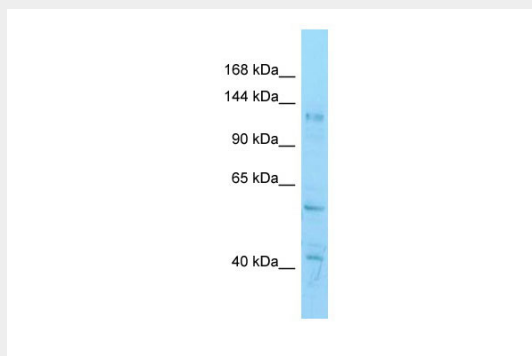
Secondary Antibody

Concentration: 1:200

Magnification: 20X

Exposure Time: 0.5 – 2.0 sec

Protocol located in Reviews and Data.



WB Suggested Anti-Hdac6 Antibody Titration: 1.0 µg/ml

Positive Control: Mouse Testis