

Hdac6 Antibody - C-terminal region

Rabbit Polyclonal Antibody Catalog # Al11451

Specification

Hdac6 Antibody - C-terminal region - Product Information

Application Primary Accession Other Accession Reactivity

Predicted Host Clonality Calculated MW CHIP, IHC, WB <u>O9Z2V5</u> <u>NM_010413</u>, <u>NP_034543</u> Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog Human, Mouse, Rat, Pig, Bovine, Dog Rabbit 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 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:0801014). Histone deacetylases act via the formation of large multiprotein complexes (PubMed:0801014). Histone deacetylases act via the formation of large multiprotein complexes (PubMed:0801014). Histone deacetylases act via the formation of large multiprotein complexes (PubMed:0801014). Histone deacetylases act via the formation of large multiprotein complexes (PubMed:0801014). Histone deacetylases deacetylases act via the formation of large multiprotein complexes (PubMed:0801014). Histone deacetylases deacetyla

target="_blank">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 polyubiguitinated 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

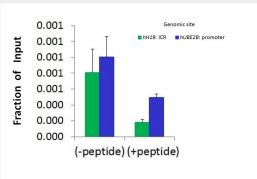
Expressed in neurons of the cortex. Expressed in Purkinje cells. Detected in keratinocytes (at protein level)

Hdac6 Antibody - C-terminal region - Protocols

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

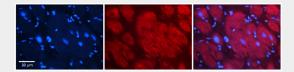
- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Hdac6 Antibody - C-terminal region - Images

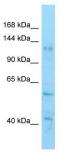




Chromatin Immunoprecipitation (ChIP) Using Hdac6 Antibody - C-terminal region (AI11451) and HCT116 Cells



Rabbit Anti-Hdac6 Antibody Catalog Number: Al11451 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 $\mu\text{g/ml}$ Positive Control: Mouse Testis