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

Specification

Hdac6 Antibody - C-terminal region - Product Information

Application	**CHIP, IHC, WB**
Primary Accession	Q9Z2V5
Other Accession	NM_010413, NP_034543
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Pig, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**126kDa KDa**

Hdac6 Antibody - C-terminal region - Additional Information

Gene ID 15185

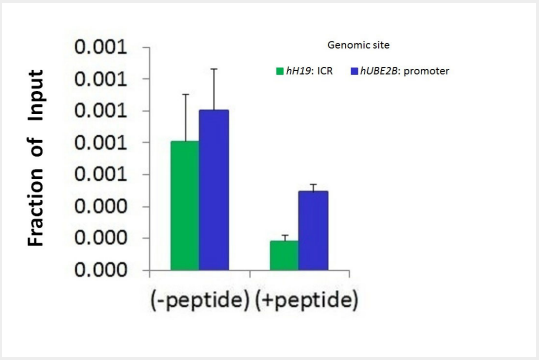
Alias Symbol	**Hd6, Hdac5, Sfc6, mHDA2**

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

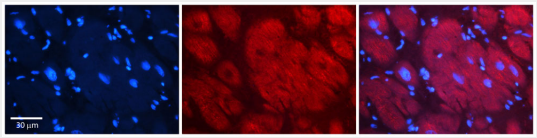
Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

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.

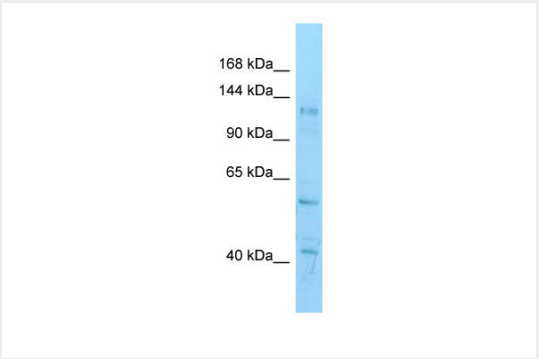
Precautions
Hdac6 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.



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



Rabbit Anti-Hdac6 Antibody
Catalog Number: AI11451
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 â€“ 2.0 sec
Protocol located in Reviews and Data.



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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: plays a central role in microtubule-dependent cell motility by mediating deacetylation of tubulin (PubMed:19893491). Promotes deacetylation of CTTN, leading to actin polymerization, promotion of autophagosome-lysosome fusion and completion of autophagy (By similarity). 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. Note=It is mainly cytoplasmic, where it is associated with microtubules.

WB Suggested Anti-Hdac6 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Testis

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 Cytomety
- Cell Culture