

Rabbit anti-Human, Mouse HDAC6 Polyclonal Antibody | anti-HDAC6 antibody

HDAC6 Antibody

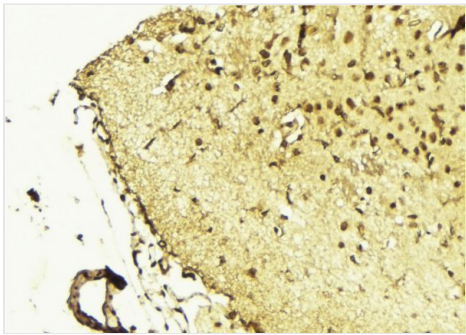
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322010	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

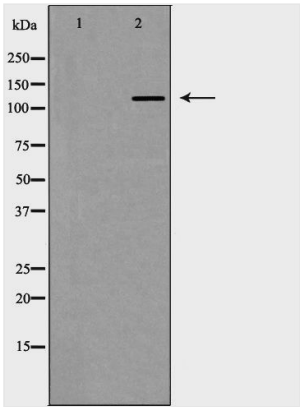
HDAC6; Polyclonal Antibody; HDAC6 Antibody; CPBHM; FLJ16239; HD 6; HD6; HDAC 6; HDAC6_HUMAN; Histone deacetylase 6 (HD6); Histone deacetylase 6; JM 21; JM21; KIAA0901; OTTHUMP00000032398; OTTHUMP00000197663; PPP1R90; Protein phosphatase 1 regulatory subunit 90; anti-HDAC6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	HDAC6 antibody detects endogenous levels of total HDAC6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1215
Applicable Applications for anti-HDAC6 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HDAC6
Subcellular Location	Nucleus. Cytoplasm. It is mainly cytoplasmic, where it is associated with microtubules.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Bovine (90%), Horse (90%), Sheep (80%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA322010 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of HDAC6 expression in HepG2 cell lysate. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC6 antibody	Function: Responsible for 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 (By similarity). Plays a central role in microtubule-dependent cell motility via deacetylation of tubulin. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer. Subunit Structure: Interacts with ZMYND15 (By similarity). Interacts with SIRT2 (via both phosphorylated, unphosphorylated, active or inactive forms); the interaction is necessary for the complex to interact with alpha-tubulin. Under proteasome impairment conditions, interacts with UBD via its histone deacetylase 1 and UBP-type zinc-finger regions. Interacts with BBIP10, CBFA2T3, CYLD, DDIT3/CHOP, F-actin and HDAC11. Interacts with RIPOR2; this interaction occurs during early myogenic differentiation and prevents HDAC6 to deacetylate tubulin (PubMed:24687993). Interacts with DYSF; this interaction occurs during early myogenic differentiation (PubMed:24687993). Post-translational Modifications: Phosphorylated by AURKA. Ubiquitinated. Its polyubiquitination however does not lead to its degradation. Sumoylated in vitro. Similarity: Belongs to the histone deacetylase family. HD type 2 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1007392134
NCBI GeneID	10013
NCBI Accession #	NP_001308155.1
NCBI GenBank Nucleotide #	NM_001321226.1
UniProt Accession #	Q9UBN7; O94975; Q6NT75; Q7L3E5; Q96CY0
Molecular Weight	Observed: 131 kDa Predicted: 132 kDa
NCBI Official Full Name	histone deacetylase 6 isoform b
NCBI Official Synonym Full Names	histone deacetylase 6
NCBI Official Symbol	HDAC6
NCBI Official Synonym Symbols	HD6; JM21; CPBHM; PPP1R90
NCBI Protein Information	histone deacetylase 6
UniProt Protein Name	Histone deacetylase 6

UniProt Gene Name	HDAC6
UniProt Synonym Gene Names	KIAA0901; HD6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/hdac6-antibody-immunohistochemistry-western-blot-elisa/322010>