

Rabbit HDAC6 Polyclonal Antibody | anti-HDAC6 antibody

HDAC6 Antibody

CATALOG # AAA170203	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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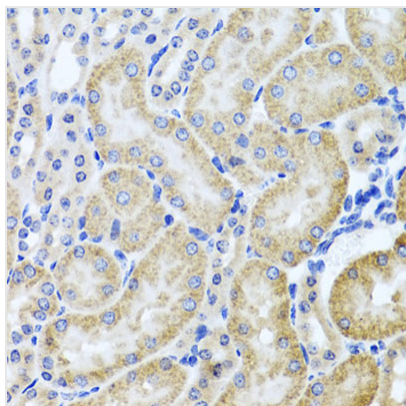
PRODUCT SYNONYMS

HDAC6; Polyclonal Antibody; HDAC6 Antibody; FLJ16239; HD6; JM21; anti-HDAC6 antibody

PRODUCT SPECIFICATIONS

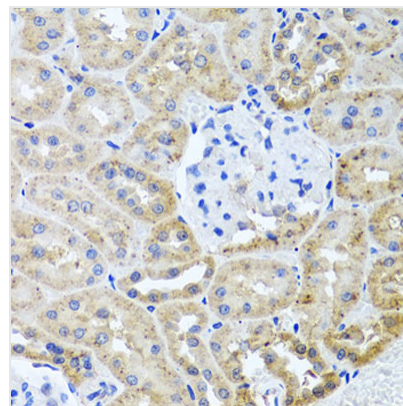
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	1179
Applicable Applications for anti-HDAC6 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fusion protein of human HDAC6 (NP_006035.2)
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-5255 / sc-5258 / sc-11420
Preparation and Storage	Store at -20 degrees C. Valid for 12 months. Avoid freeze / thaw cycles

IMAGES



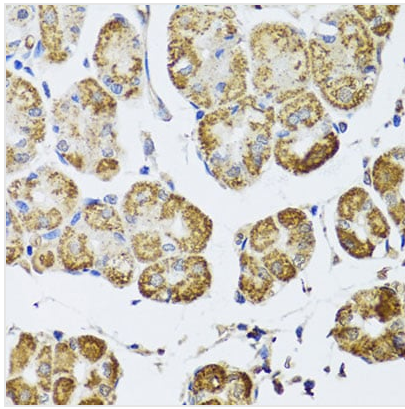
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse kidney using HDAC6 Polyclonal Antibody at dilution of 1:100 (40x lens)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat kidney using HDAC6 Polyclonal Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human stomach using HDAC6 Polyclonal Antibody at dilution of 1:100 (40x lens)

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC6 antibody

HDAC6 is a class II histone deacetylase enzyme localized to the cytoplasm and associated with the microtubule network (1). It is involved in the regulation of many cellular processes, including cell migration, immune synapse formation, viral infection, and degradation of misfolded proteins (1). HDAC6 contains two tandem catalytic domains that facilitate the deacetylation of multiple protein substrates, including histones and non-histone proteins such as tubulin, cortactin, and HSP90. Despite the ability to deacetylate histone proteins in vitro, there is no evidence for HDAC6-mediated deacetylation of histones in vivo (2, 3). The acetylation/deacetylation of tubulin on Lys40 regulates binding and motility of the kinesin-1 motor protein and subsequent transport of cargo proteins such as JNK-interacting protein 1 (JIP1) (4). The acetylation/deacetylation of cortactin regulates cell motility by modulating the binding of cortactin to F-actin (5). Acetylation/deacetylation of HSP90 modulates chaperone complex activity by regulating the binding of an essential cochaperone protein, p23 (6, 7). In addition to its role as a protein deacetylase, HDAC6 functions as a component of the aggresome, a proteinaceous inclusion body that forms in response to an accumulation of misfolded or partially denatured proteins (8). Formation of the aggresome is a protective response that sequesters cytotoxic protein aggregates for eventual autophagic clearance from the cell. HDAC6 contains a zinc finger ubiquitin-binding domain that binds both mono- and poly-ubiquitinated proteins (8).

NCBI AND UNIPROT INFORMATION

NCBI GI #	442616414
NCBI GeneID	32461
NCBI Accession #	NP_001259569.1
NCBI GenBank Nucleotide #	NM_001272640.1
Molecular Weight	124,871 Da
NCBI Official Full Name	HDAC6, isoform G
NCBI Official Symbol	HDAC6
NCBI Official Synonym Symbols	CG6170; dHDAC2; DHDAC2; dHDAC6; DmelCG6170; dmHDA404; DmHDAC2; HDAC; HDAC2
NCBI Protein Information	CG6170 gene product from transcript CG6170-RA; CG6170-PA; CG6170-PB; CG6170-PC; CG6170-PD; CG6170-PE; CG6170-PF; CG6170-PG; HDAC6; HDAC6-PA; HDAC6-PB; HDAC6-PC; HDAC6-PD; HDAC6-PE; HDAC6-PF; HDAC6-PG; histone deacetylase 6; histone deacetylase HDA2
UniProt Protein Name	HDAC6, isoform A
UniProt Gene Name	HDAC6
UniProt Entry Name	Q86NK9_DROME

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-elisa/170203>