

Rabbit HDAC6 Polyclonal Antibody | anti-HDAC6 antibody

HDAC6 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197174	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Immunohistochemistry, Chromatin Immunoprecipitation, Immunoprecipitation

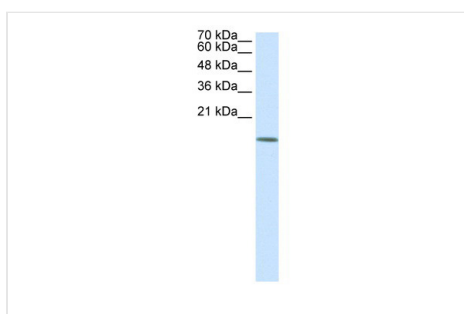
PRODUCT SYNONYMS

HDAC6; Polyclonal Antibody; HDAC6 antibody - N-terminal region; anti-HDAC6 antibody

PRODUCT SPECIFICATIONS

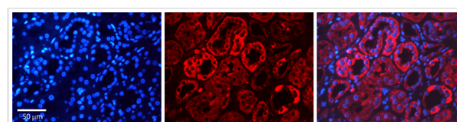
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: VG LQGMDLNLEA EALAGTGLVL DEQLNEFHCL WDDSFPEGPE RLHAIKEQ
Sequence Length	1215
Applicable Applications for anti-HDAC6 antibody	IHC (Immunohistochemistry), ChIP (Chromatin immunoprecipitation)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 86%; Pig: 100%; Rabbit: 100%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human HDAC6
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



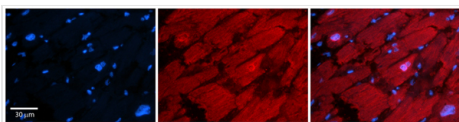
WB (Western Blot)

WB Suggested Anti-HDAC6 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:62500
 Positive Control: 293T cell lysate
 There is BioGPS gene expression data showing that HDAC6 is expressed in HEK293T



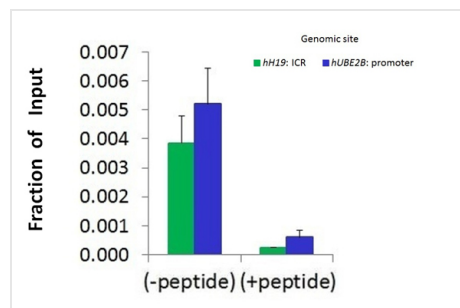
IHC (Immunohistochemistry)

Rabbit Anti-HDAC6 Antibody
 Formalin Fixed Paraffin Embedded Tissue: Human Kidney
 Tissue
 Observed Staining: Cytoplasm
 Primary Antibody Concentration: 1:100
 Other Working Concentrations: N/A
 Secondary Antibody: Donkey anti-Rabbit-Cy3
 Secondary Antibody Concentration: 1:200
 Magnification: 20X
 Exposure Time: 0.5 - 2.0 sec



IHC (Immunohistochemistry)

Rabbit Anti-HDAC6 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult heart
 Observed Staining: Cytoplasmic, Nuclear
 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.



ChIP (Chromatin Immunoprecipitation)

Chromatin Immunoprecipitation (ChIP) Using HDAC6 antibody - N-terminal region and HCT116 Cells

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC6 antibody	This is a rabbit polyclonal antibody against HDAC6. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein belongs to class II of the histone deacetylase/acuc/apha family. It contains an internal duplication of two catalytic domains which appear to function independently of each other. This protein possesses histone deacetylase activity and represses transcription.
Product Categories/Family for anti-HDAC6 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Drugs and Drug Metabolism; Chromatin & Nuclear Signaling; Developmental Biology; Epigenetics; Meiosis/Mitosis/Cell Cycle; Chromatin Immunoprecipitation; Autophagy; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	13543430
NCBI GeneID	10013
NCBI Accession #	AAH05872
NCBI GenBank Nucleotide #	NM_006044
UniProt Accession #	Q9UBN7
Molecular Weight	131kDa, 17 kD
NCBI Official Full Name	HDAC6 protein
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
UniProt Entry Name	HDAC6_HUMAN

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.