



# HDAC6 (ABT-HDAC6) mouse mAb

<b>Catalog No</b>	YP-Ab-15223
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Predict react with Mouse
<b>Applications</b>	IHC;WB;IF
<b>Gene Name</b>	HDAC6 KIAA0901 JM21
<b>Protein Name</b>	Histone deacetylase 6 (HD6) (EC 3.5.1.98)
<b>Immunogen</b>	Synthesized peptide derived from human HDAC6
<b>Specificity</b>	This antibody detects endogenous levels of human HDAC6. Heat-induced epitope retrieval (HIER) Citrate buffer of pH6.0 was highly recommended as antigen repair method in paraffin section
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Mouse, Monoclonal/IgG1, Kappa
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
<b>Dilution</b>	IHC-p 1:100-500, WB 1:200-1000. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cytoplasm . Cytoplasm, cytoskeleton . Nucleus . Perikaryon . Cell projection, dendrite . Cell projection, axon . It is mainly cytoplasmic, where it is associated with microtubules. .
<b>Tissue Specificity</b>	Brain,Epithelium,Kidney,Muscle,Ovary,Placenta,
<b>Function</b>	catalytic activity:Hydrolysis of an N(6)-acetyl-lysine residue of a histone to yield a deacetylated histone.,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.,PTM:Sumoylated in vitro.,PTM:Ubiquitinated. Its polyubiquitination however does not lead to its degradation.,similarity:Belongs to the histone deacetylase family. Type 2 subfamily.,similarity:Contains 1 UBP-type zinc finger.,subcellular location:It is mainly cytoplasmic, where it is associated with microtubules

**Background**

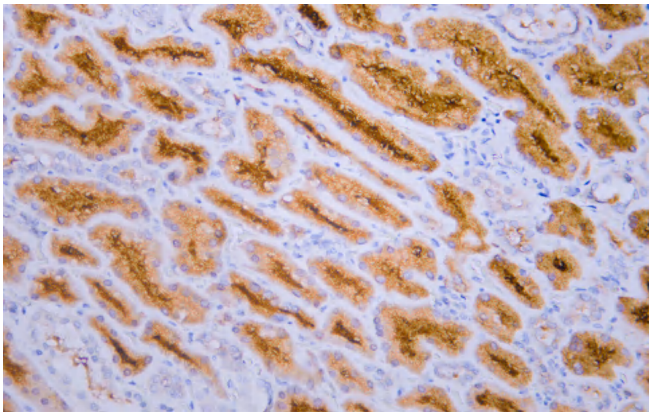
Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to class II of the histone deacetylase/acuc/apha 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. [provided by RefSeq, Jul 2008],

**matters needing attention**

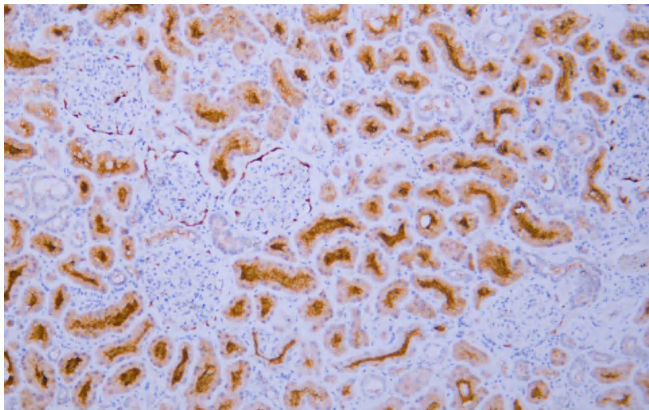
Avoid repeated freezing and thawing!

**Usage suggestions**

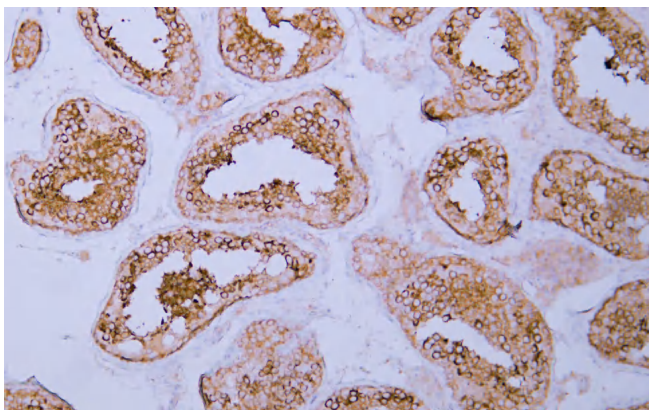
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

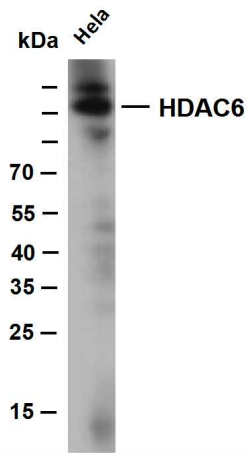
Human kidney tissue was stained with Anti-HDAC6 (ABT-HDAC6) Antibody



Human kidney tissue was stained with Anti-HDAC6 (ABT-HDAC6) Antibody



Human testis tissue was stained with Anti-HDAC6 (ABT-HDAC6) Antibody



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-HDAC6 (ABT-HDAC6)antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Predicted band size: 131kDa Observed band size: 130,180kDa