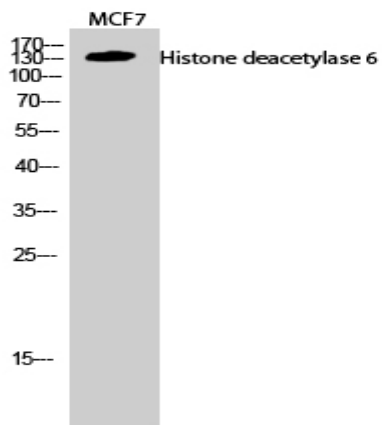


Histone deacetylase 6 Polyclonal Antibody

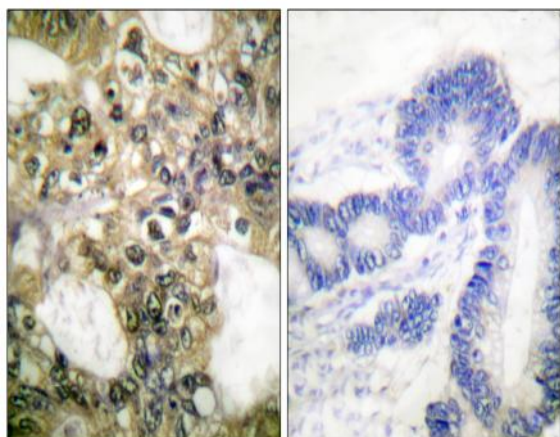
Catalog No :	YT2147
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	HDAC6
Fields :	>>Neutrophil extracellular trap formation;>>Amyotrophic lateral sclerosis;>>Alcoholism;>>Viral carcinogenesis
Gene Name :	HDAC6
Protein Name :	Histone deacetylase 6
Human Gene Id :	10013
Human Swiss Prot No :	Q9UBN7
Mouse Gene Id :	15185
Mouse Swiss Prot No :	Q9Z2V5
Immunogen :	The antiserum was produced against synthesized peptide derived from human HDAC6. AA range:1166-1215
Specificity :	Histone deacetylase 6 Polyclonal Antibody detects endogenous levels of Histone deacetylase 6 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	135kD
Cell Pathway :	Protein_Acetylation
Background :	<p>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],</p>
Function :	<p>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</p>
Subcellular Location :	<p>Cytoplasm . Cytoplasm, cytoskeleton . Nucleus . Perikaryon . Cell projection, dendrite . Cell projection, axon . It is mainly cytoplasmic, where it is associated with microtubules. .</p>
Expression :	Brain,Epithelium,Kidney,Muscle,Ovary,Placenta,

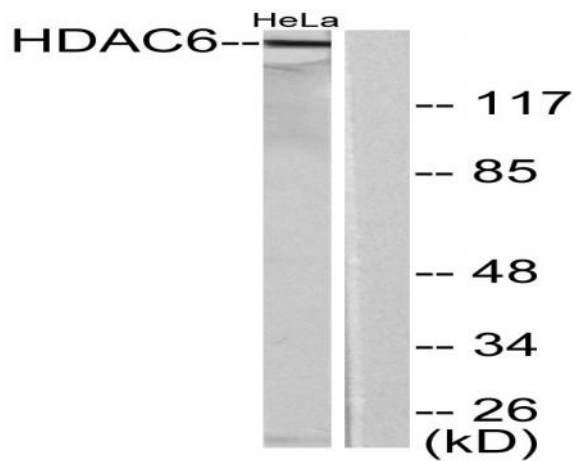
Products Images



Western Blot analysis of MCF7 cells using Histone deacetylase 6 Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using HDAC6 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HeLa cells, using HDAC6 Antibody. The lane on the right is blocked with the synthesized peptide.