



# Histone deacetylase 10 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-01781
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat;Monkey
<b>Applications</b>	WB
<b>Gene Name</b>	HDAC10
<b>Protein Name</b>	Histone deacetylase 10
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HDAC10. AA range:10-59
<b>Specificity</b>	Histone deacetylase 10 Monoclonal Antibody detects endogenous levels of Histone deacetylase 10 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	HDAC10; Histone deacetylase 10; HD10
<b>Observed Band</b>	75kD
<b>Cell Pathway</b>	Cytoplasm . Nucleus . Excluded from nucleoli. .
<b>Tissue Specificity</b>	Widely expressed with high levels in liver and kidney.
<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.,similarity:Belongs to the histone deacetylase family. Type 2 subfamily.,subcellular location:Excluded from the nucleoli.,subunit:Interacts with HDAC2, HDAC3 and NCOR2.,tissue specificity:Ubiquitous. High expression in liver, spleen, pancreas and kidney.,
<b>Background</b>	The protein encoded by this gene belongs to the histone deacetylase family, members of which deacetylate lysine residues on the N-terminal part of the core histones. Histone deacetylation modulates chromatin structure, and plays an important role in transcriptional regulation, cell cycle progression, and



developmental events. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011],

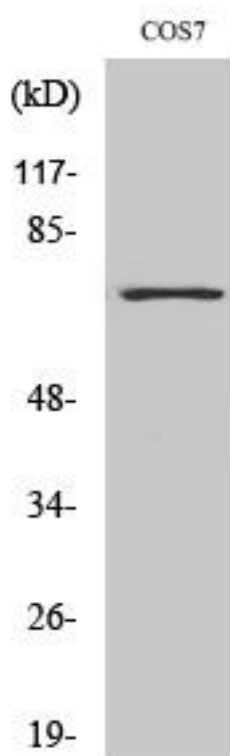
**matters needing attention**

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



Western Blot analysis of various cells using Histone deacetylase 10 Monoclonal Antibody