

Product Name: Histone deacetylase 10 Rabbit Polyclonal Antibody
Catalog #: APRab12047

Summary

Production Name	Histone deacetylase 10 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,WB,ELISA
Reactivity	Human,Mouse,Rat,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	HDAC10
Alternative Names	HDAC10; Histone deacetylase 10; HD10
Gene ID	83933.0
SwissProt ID	Q969S8.The antiserum was produced against synthesized peptide derived from human HDAC10. AA range:10-59

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000..
Molecular Weight	75kD

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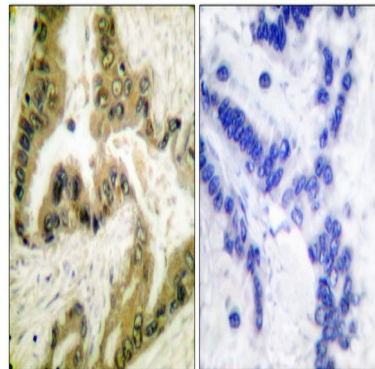
Background

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],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.,

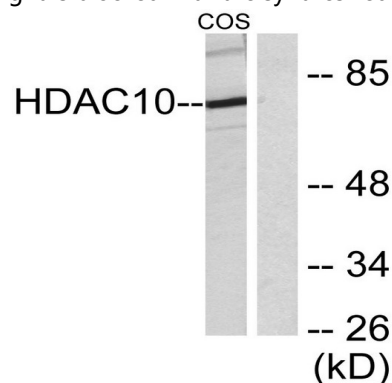
Research Area

Protein_Acetylation

Image Data



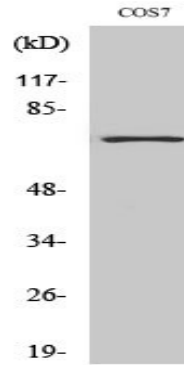
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using HDAC10 Antibody. The picture on the right is blocked with the synthesized peptide.



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Western blot analysis of lysates from COS7 cells, using HDAC10 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Histone deacetylase 10 Polyclonal Antibody diluted at 1: 1000

Note

For research use only.