
Product Name: HDAC6 (phospho Ser22) Rabbit Polyclonal Antibody**Catalog #: APRab04766**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	131kDa

Antigen Information

Gene Name	HDAC6
Alternative Names	HDAC6; KIAA0901; JM21; Histone deacetylase 6; HD6
Gene ID	10013.0
SwissProt ID	Q9UBN7
Immunogen	The antiserum was produced against synthesized peptide derived from human HDAC6 around the phosphorylation site of Ser22. AA range:7-56

Background

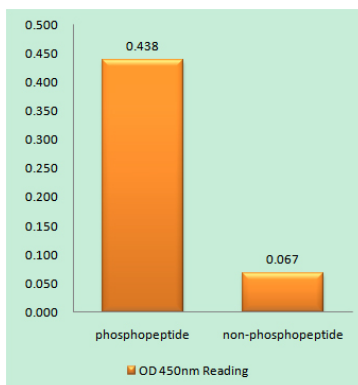
Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone

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],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.,subunit:Interacts with CBFA2T3, HDAC11 and SIRT2. Interacts with F-actin. Interacts with BBIP10.,

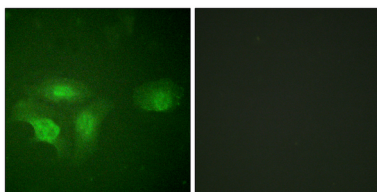
Research Area

Protein_Acetylation

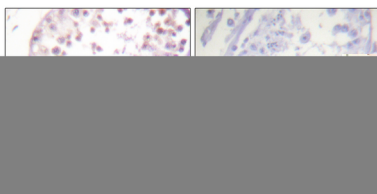
Image Data



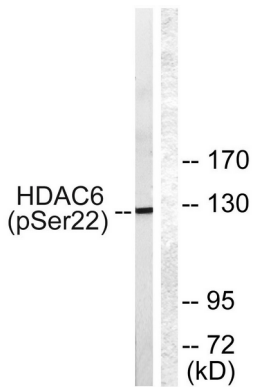
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using HDAC6 (Phospho-Ser22) Antibody



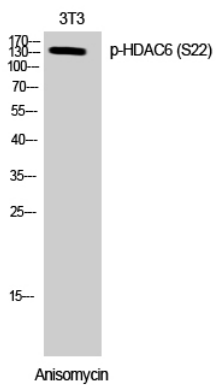
Immunofluorescence analysis of HepG2 cells, using HDAC6 (Phospho-Ser22) Antibody. The picture on the right is blocked with the phospho peptide.



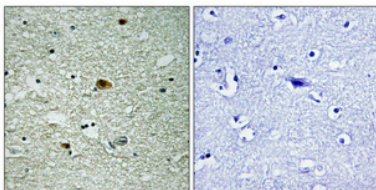
Immunohistochemistry analysis of paraffin-embedded human testis, using HDAC6 (Phospho-Ser22) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from NIH/3T3 cells treated with Anisomycin 25ug/ml 30', using HDAC6 (Phospho-Ser22) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of 3T3 cells using Phospho-HDAC6 (S22) Polyclonal Antibody diluted at 1: 500



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°, overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.