

Tel: 400-999-8863
■ Emall:Upingbio.163.com



HDAC7 (phospho Ser155) Polyclonal Antibody

YP-Ab-01333
IgG
Human;Mouse;Rat
WB;ELISA
HDAC7
Histone deacetylase 7
The antiserum was produced against synthesized peptide derived from human HDAC7A around the phosphorylation site of Ser155. AA range:121-170
Phospho-HDAC7 (S155) Polyclonal Antibody detects endogenous levels of HDAC7 protein only when phosphorylated at S155.
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Polyclonal, Rabbit,IgG
The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
1 mg/ml
≥90%
-20°C/1 year
HDAC7; HDAC7A; Histone deacetylase 7; HD7; Histone deacetylase 7A; HD7a
103kD
Nucleus. Cytoplasm. In the nucleus, it associates with distinct subnuclear dot-like structures. Shuttles between the nucleus and the cytoplasm. Treatment with EDN1 results in shuttling from the nucleus to the perinuclear region. The export to cytoplasm depends on the interaction with the 14-3-3 protein YWHAE and is due to its phosphorylation.
B-cell,Cervix carcinoma,Colon,Embryo,Epithelium,Human lung,Placenta,Spleen,Teratoca
catalytic activity:Hydrolysis of an N(6)-acetyl-lysine residue of a histone to yield a deacetylated histone.,domain:The nuclear export sequence mediates the shuttling between the nucleus and the cytoplasm.,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. Involved in muscle maturation by repressing transcription of myocyte enhancer factors such as MEF2A, MEF2B and MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors (By similarity). May be involved in Epstein-Barr virus



UpingBio technology Co.,Ltd

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(EBV) latency, possibly by repres

Background	Histones play a cr
	and developmental

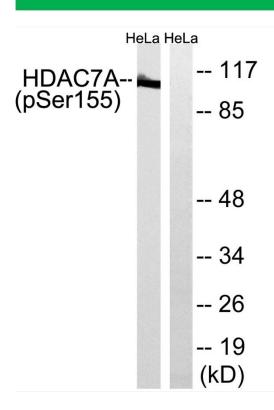
Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

gene. [provided by Neider

matters needing Avoid repeated freezing and thawing! attention

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

Products Images



Western blot analysis of lysates from HeLa cells, using HDAC7A (Phospho-Ser155) Antibody. The lane on the right is blocked with the phospho peptide.