



HDAC2 (phospho Ser394) Polyclonal Antibody

Catalog No	YP-Ab-01287
Isotype	IgG
Reactivity	Human;Mouse;Rat;Monkey
Applications	WB;ELISA
Gene Name	HDAC2
Immunogen	The antiserum was produced against synthesized peptide derived from human HDAC2 around the phosphorylation site of Ser394. AA range:360-409
Specificity	Phospho-HDAC2 (S394) Polyclonal Antibody detects endogenous levels of HDAC2 protein only when phosphorylated at S394.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	D10Wsu179e;HD 2;HD2;HDAC 2;Hdac2;HDAC2_HUMAN;Histone deacetylase 2 (HD2);Histone deacetylase 2;OTTHUMP00000017046;OTTHUMP00000227077;OTTHUMP00000227078;RPD3;transcriptional regulator homolog RPD3;YAF1;YY1 associated factor 1;YY1 transcription factor binding protein;Yy1bp
Observed Band	55kD
Calculated Molecular Weight	55kD
Cell Pathway	Nucleus . Cytoplasm .
Tissue Specificity	Widely expressed; lower levels in brain and lung.
Function	catalytic activity:Hydrolysis of an N(6)-acetyl-lysine residue of a histone to yield a deacetylated histone.,function:Forms transcriptional repressor complexes by associating with MAD, SIN3, YY1 and N-COR. Interacts in the late S-phase of DNA-replication with DNMT1 in the other transcriptional repressor complex composed of DNMT1, DMAP1, PCNA, CAF1.,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.,sequence caution:Intron retention.,similarity:Belongs to the histone deacetylase family. Type 1 subfamily.,subunit:Interacts with the non-histone region of H2AFY (By similarity

Background

This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010],

matters needing attention

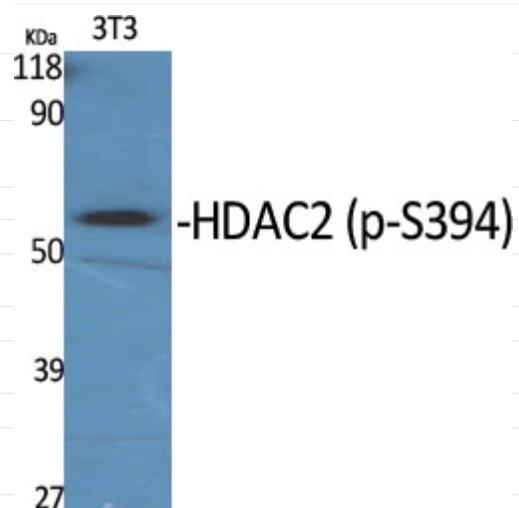
Avoid repeated freezing and thawing!

Usage suggestions

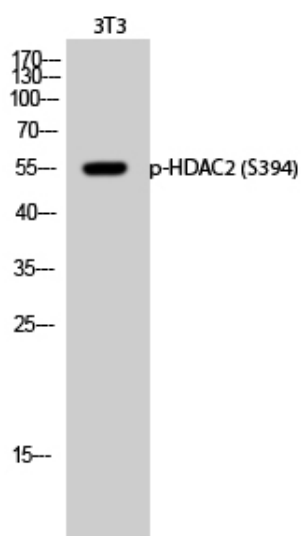
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



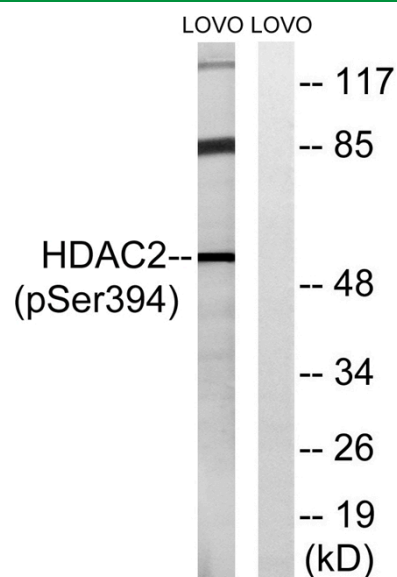
Products Images



Western Blot analysis of various cells using Phospho-HDAC2 (S394) Polyclonal Antibody



Western Blot analysis of 3T3 cells using Phospho-HDAC2 (S394) Polyclonal Antibody



Western blot analysis of lysates from LOVO cells, using HDAC2 (Phospho-Ser394) Antibody. The lane on the right is blocked with the phospho peptide.