HDAC2 (Phospho Ser394) Rabbit pAb

CatalogNo: YP0282

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat,Monkey	• WB,ELISA

MW	Isotype
• 55kD (Observed)	• IgG

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
ELISA 1:20000
Not yet tested in other applications.

Basic Information

Clonality	Polyclonal

Immunogen Information

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.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):EDsGD

Target Information

Gene name HDAC2

Protein Name Histone deacetylase 2

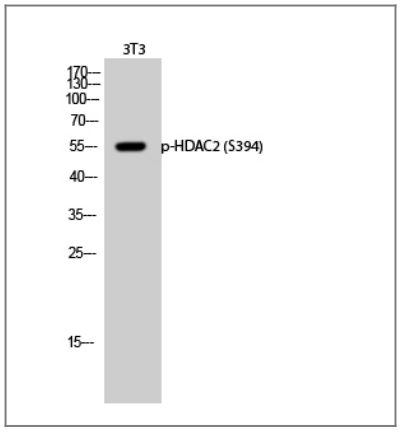
Organism	Gene ID	UniProt ID
Human	3066;	Q92769;
Mouse	15182;	P70288;

Cellular Localization Nucleus . Cytoplasm .

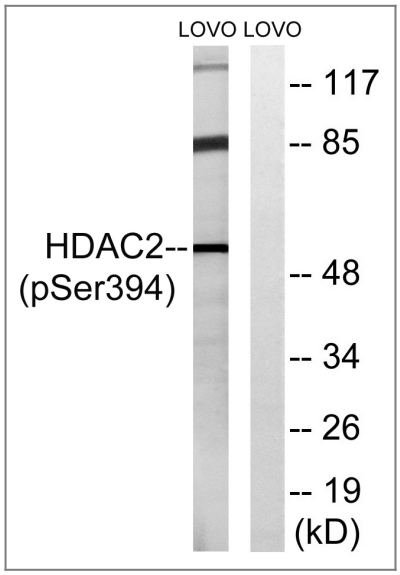
Tissue specificity Widely expressed; lower levels in brain and lung.

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) . Part of the core histone deacetylase (HDAC) complex composed of HDAC1 , HDAC2 , RBBP4 and RBBP7. The core complex associates with MTA2 , MBD3 , MTA1L1 , CHD3 and CHD4 to form the nucleosome remodeling and histone deacetylation (NuRD) complex , or with SIN3 , SAP18 and SAP30 to form the SIN3 HDAC complex. Component of a BHC histone deacetylase complex that contains HDAC1 , HDAC2 , HMG20B/BRAF35 , AOF2/LSD1 , RCOR1/CoREST and PHF21A/BHC80. The BHC complex may also contain ZMYM2 , ZNF217 , ZMYM3 , GSE1 and GTF2I. Part of a complex containing the core histones H2A , H2B , H3 and H4 , DEK and unphosphorylated DAXX. Part of a complex containing ATR and CHD4. Forms a heterologous complex at least with YY1. Interacts with ATR , DNMT1 , MINT , HDAC7 , HDAC10 , HCFC1 , NRIP1 , MJD2A/JHDM3A , PRDM6 , SAP30 , SETDB1 and SUV39H1. Interacts with the non-histone region of H2AFY. Interacts with PELP1. Component of a mSin3A corepressor complex that contains SIN3A , SAP130 , SUDS3/SAP45 , ARID4B/SAP180 , HDAC1 and HDAC2. Interacts with CBFA2T3. Interacts with SAP30L. ,tissue specificity:Widely expressed; lower levels in brain and lung. ,

Validation Data



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.

Contact information

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Please scan the QR code to access additional product information: **HDAC2 (Phospho Ser394) Rabbit pAb**

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