

Anti-Histone Deacetylase 2 (pS394) Antibody

Rabbit polyclonal antibody to Histone Deacetylase 2 (pS394) Catalog # AP61088

Product Information

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Additional Information

Gene ID	3066
Other Names	Histone deacetylase 2; HD2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Histone Deacetylase 2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

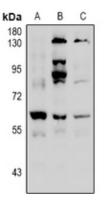
Name	HDAC2 {ECO:0000303 PubMed:10545197, ECO:0000312 HGNC:HGNC:4853}
Function	Histone deacetylase that catalyzes the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4) (PubMed: <u>28497810</u>). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events (By similarity). Histone deacetylases act via the formation of large multiprotein complexes (By similarity). Forms transcriptional repressor complexes by associating with MAD, SIN3, YY1 and N-COR (PubMed: <u>12724404</u>). Component of a RCOR/GFI/KDM1A/HDAC complex that suppresses, via histone deacetylase (HDAC) recruitment, a number of genes implicated in multilineage blood cell development (By similarity). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed: <u>16428440</u> , PubMed: <u>28977666</u>). Component of the SIN3B complex that represses

scription and counteracts the histone acetyltransferase activity of EP300 ugh the recognition H3K27ac marks by PHF12 and the activity of the one deacetylase HDAC2 (PubMed: <u>37137925</u>). Also deacetylates histone targets: deacetylates TSHZ3, thereby regulating its transcriptional essor activity (PubMed: <u>19343227</u>). May be involved in the transcriptional ession of circadian target genes, such as PER1, mediated by CRY1 through one deacetylation (By similarity). Involved in MTA1-mediated scriptional corepression of TFF1 and CDKN1A (PubMed: <u>21965678</u>). In tion to protein deacetylase activity, also acts as a protein-lysine deacylase ecognizing other acyl groups: catalyzes removal of (2E)-butenoyl onyl), lactoyl (lactyl) and 2-hydroxyisobutanoyl (2-hydroxyisobutyryl) acyl ps from lysine residues, leading to protein decrotonylation, delactylation de-2-hydroxyisobutyrylation, respectively (PubMed: <u>28497810</u> , Med: <u>29192674</u> , PubMed: <u>35044827</u>).
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ely expressed; lower levels in brain and lung.

Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Histone Deacetylase 2. The exact sequence is proprietary.

Images



Western blot analysis of Histone Deacetylase 2 (pS394) expression in HEK293T (A), H1792 (B), Panc1 (C) whole cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.