

Product Datasheet

HDAC3 Antibody

Catalog No: CY5595

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP



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Information

UniProt ID: O15379

All Names: HD3; Histone deacetylase 3; RPD3-2; SMAP45; HDAC3;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 49 kDa

Application

WB: 1:1000~1:2000

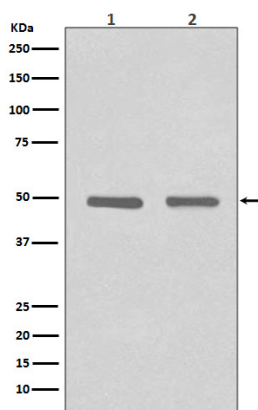
IHC: 1:50~1:100

ICC/IF: 1:50~1:200

IP: 1:30

Background

HDAC3 is a nuclear and cytoplasmic protein that deacetylates both histone (H2A, H3, H4) and non-histone substrates (RelA, SRY, p53, MEF2, PCAF and p300/CBP). HDAC3 deacetylase activity is stimulated by interactions with the N-CoR and SMRT co-repressor proteins. Together, these three proteins form a functional complex that represses transcription associated with nuclear hormone receptors and other transcription factors, including Rev-Erb, COUP-TF, DAX1, MAD and Pit-1. Phosphorylation of HDAC3 on Ser424 by casein kinase 2 (CK2) also increases HDAC3 deacetylase activity. Subsequently, de-phosphorylation by protein phosphatase 4 (PP4) decreases HDAC3 activity.



Western blot analysis of HDAC3 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate.

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