



HDAC3 (phospho Ser424) rabbit pAb

Cat No.:ES7887

For research use only

Overview

Product Name	HDAC3 (phospho Ser424) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human HDAC3 around the phosphorylation site of Ser424. AA range:379-428
Specificity	Phospho-HDAC3 (S424) Polyclonal Antibody detects endogenous levels of HDAC3 protein only when phosphorylated at S424.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Histone deacetylase 3
Gene Name	HDAC3
Cellular localization	Nucleus . Cytoplasm . Cytoplasm, cytosol . Colocalizes with XBP1 and AKT1 in the cytoplasm (PubMed:25190803). Predominantly expressed in the nucleus in the presence of CCAR2 (PubMed:21030595). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	48kD
Human Gene ID	8841
Human Swiss-Prot Number	O15379
Alternative Names	HDAC3; Histone deacetylase 3; HD3; RPD3-2;



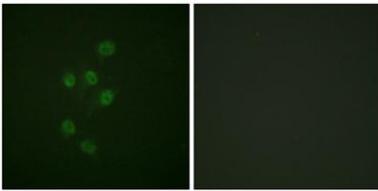


Background

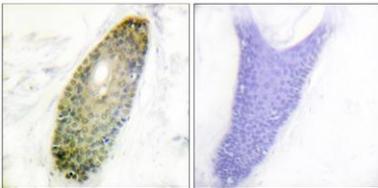
SMAP45

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 belongs to the histone deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. This gene is regarded as a potential tumor suppressor gene. [provided by RefSeq, Jul 2008],

Immunofluorescence analysis of A549 cells, using HDAC3 (Phospho-Ser424) Antibody. The picture on the right is blocked with the phospho peptide.

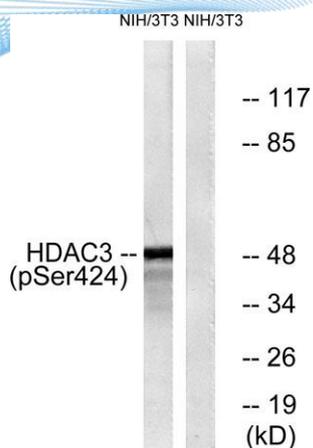


Immunohistochemistry analysis of paraffin-embedded human skin, using HDAC3 (Phospho-Ser424) Antibody. The picture on the right is blocked with the phospho peptide.





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Western blot analysis of lysates from NIH/3T3 cells, using HDAC3 (Phospho-Ser424) Antibody. The lane on the right is blocked with the phospho peptide.



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