
Product Name: HDAC3 Mouse Monoclonal Antibody**Catalog #: AMM80678**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	48.8kDa

Antigen Information

Gene Name	HDAC3
Alternative Names	HD3; RPD3; RPD3-2
Gene ID	8841.0
SwissProt ID	O15379
Immunogen	Purified recombinant fragment of human HDAC3 (aa224-428) expressed in E. Coli.

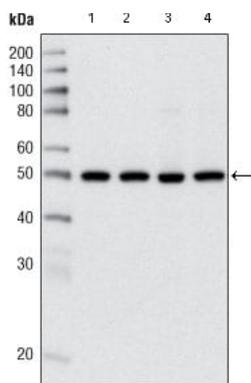
Background

HDAC3: histone deacetylase 3, also known as HD3, RPD3, RPD3-2. Entrez Protein NC_000005. 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

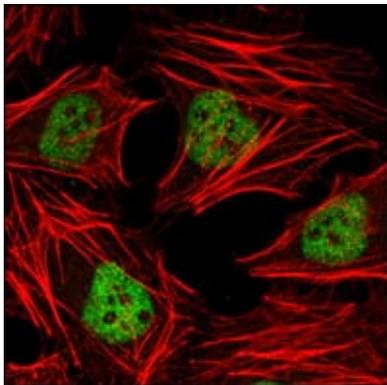
deacetylase/acuc/apha family. It has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. This protein can also down-regulate p53 function and thus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

Research Area

Image Data



Western blot analysis using HDAC3 mouse mAb against HeLa (1), NIH/3T3 (2), C6 (3) and COS (4) cell lysate.



Confocal Immunofluorescence analysis of HeLa cells using HDAC3 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin.