

Datasheet for ABIN931391

anti-HDAC3 antibody (AA 224-428)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	HDAC3
Binding Specificity:	AA 224-428
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HDAC3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	HDAC3 antibody was raised in Mouse using a purified recombinant fragment of HDAC3(aa224-428) expressed in E. coli as the immunogen.
Clone:	3A7B5
Isotype:	IgG1

Target Details

Target:	HDAC3
Alternative Name:	HDAC3 (HDAC3 Products)
Background:	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

Target Details

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. Synonyms: Monoclonal HDAC3 antibody, Anti-HDAC3 antibody, Histone Deacetylase 3 antibody, HD3 antibody, RPD3 antibody, RPD3-2 antibody, RPD3 2 antibody.

Pathways: [Neurotrophin Signaling Pathway](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: ELISA: 1:10,000, IHC: 1:200-1:1000, WB: 1:500-1:2000
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Supplied as a liquid in ascitic fluid containing 0.03 % sodium azide.

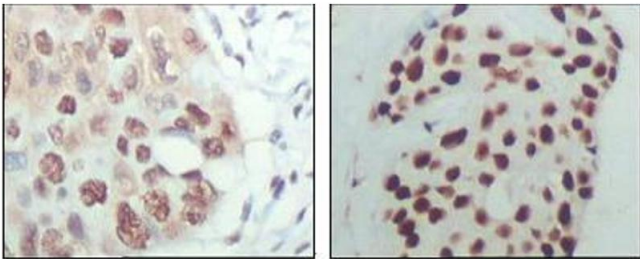
Preservative: Sodium azide

Precaution of Use: This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

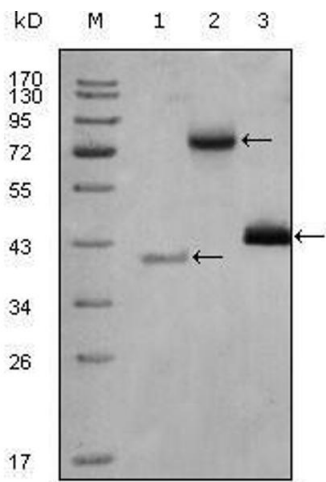
Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C for short term storage. Store at -20 °C for long term storage.



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human esophagus cancer (left) and breast carcinoma tissue (right), showing nuclear localization with DAB staining using HDAC3 antibody.



Western Blotting

Image 2. Western Blot showing HDAC3 antibody used against truncated Trx-HDAC3 recombinant protein (1), full length HDAC3-hIgGFc (aa1-428) transfected CHO-K1 cell lysate (2) and Hela cell lysate (3).