

HDAC3 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA3164
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of HDAC3 (aa224-428) expressed in E. Coli.
Mol wt	48.8kDa
Species reactivity	Human
Clonality	Monoclonal
Recommended application	IHC
Concentration	N/A
Full name	N/A
Synonyms	HD3;RPD3;RPD3-2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

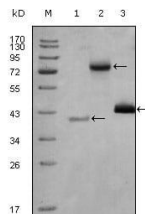
WB: 1:500 - 1:2000

IHC-p: 1:200 - 1:1000

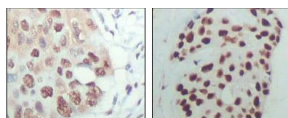
ELISA: 1:10000

Not yet tested in other applications.

Images



Western blot analysis using HDAC3 mouse mAb against truncated Trx-HDAC3 recombinant protein (1), full length HDAC3-hIgGfc (aa1-428) transfected CHO-K1 cell lysate(2) and HeLa cell lysate (3).



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

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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