

Recombinant

DGRmAb®

HDAC3 (DGR13470) Rabbit mAb

db14165

Package : 10µL 20µL 50µL 100µL

Product Name : HDAC3 (DGR13470) Rabbit mAb

Cat.No.: db14165

Synonyms : HD3; RPD3; RPD3-2

Application : WB, IHC-P, ICC/IF, FC, IP

Reactivity : Human,Mouse,Rat

Host species : Rabbit

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 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]

Immunogen

A synthetic peptide of human HDAC3

Gene ID

8841

Swiss Prot

O15379

Synonyms

HD3; RPD3; RPD3-2

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, ICC/IF, FC, IP

Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:50

ICC/IF: 1:200-1:500

FC: 1:20

IP: 1:20-1:50

Calculated MW

49 kDa

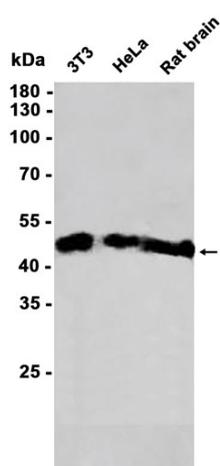
Observed MW

49 kDa

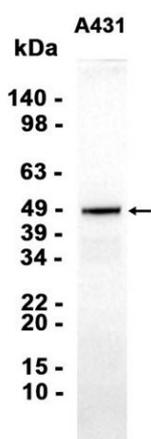
Host species

Rabbit

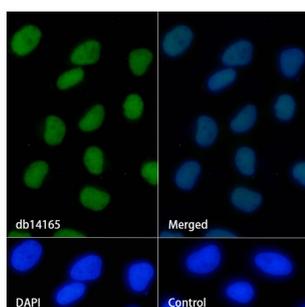
Clonality	Monoclonal
Clonality No.	DGR13470
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from 3T3, HeLa cells and Rat brain tissue using db14165 at 1:1000.



Western blot analysis of extracts from A431 cells using db14165 at 1:3000.



Immunofluorescence analysis of HeLa cells labelling HDAC3 with db14165.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db14165 (1:200) at room temperature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.