

Recombinant

DGRmAb®

HDAC3 (DGR13470) Rabbit mAb (PBS Only)

db14165-PBS

Package : 10µg 100µg

Product Name : HDAC3 (DGR13470) Rabbit mAb (PBS Only)**Cat.No.:** db14165-PBS**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

Calculated MW

49 kDa

Observed MW

49 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

DGR13470

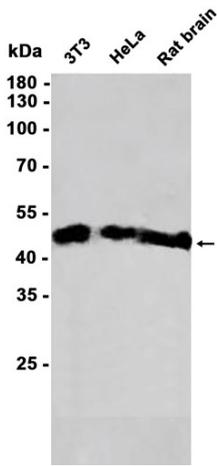
Isotype

IgG

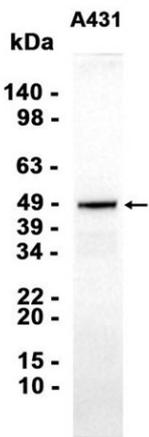
Purity

Affinity Purification

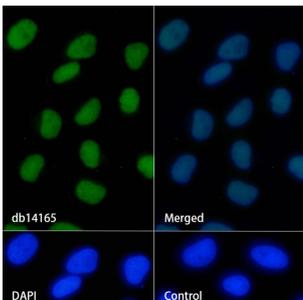
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



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 temprature 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.

