

Recombinant

DGRmAb®

HDAC9 (DGR21105) Rabbit mAb (PBS Only)

db14340-PBS

Package : 10µg 100µg

Product Name : HDAC9 (DGR21105) Rabbit mAb (PBS Only)**Cat.No.:** db14340-PBS**Synonyms** : HD7; HD9; HD7b; HDAC; HDRP; MITR; HDAC7; HDAC7B; HDAC9B; HDAC9FL**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human**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 has sequence homology to members of the histone deacetylase family. This gene is orthologous to the *Xenopus* and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [provided by RefSeq, Jul 2008]

Immunogen

A synthetic peptide of human HDAC9

Gene ID

9734

Swiss Prot

Q9UKV0

Synonyms

HD7; HD9; HD7b; HDAC; HDRP; MITR; HDAC7; HDAC7B; HDAC9B; HDAC9FL

Reactivity

Human

Application

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

Calculated MW

111 kDa

Observed MW

150 kDa

Host species

Rabbit

Clonality

Monoclonal

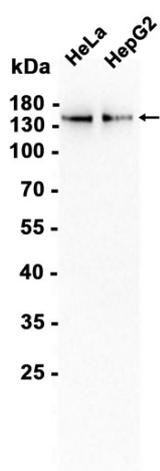
Clonality No.

DGR21105

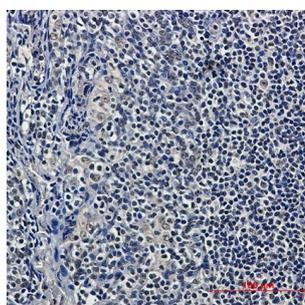
Isotype

IgG

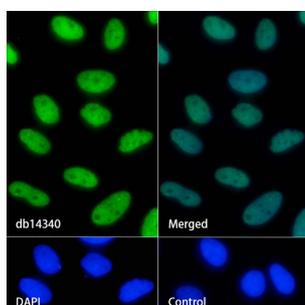
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HeLa, HepG2 cells using [db14340](#) at 1:4000.



Immunohistochemical analysis of paraffin-embedded human tonsil using [db14340](#) antibody.



Immunofluorescence analysis of HeLa cells labelling HDAC9 with [db14340](#).

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 [db14340](#) (1:100) 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.