Recombinant DGRmAb®

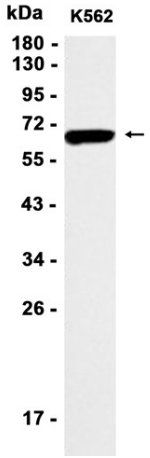
HDAC1 (DGR13518) Rabbit mAb (PBS Only)

db11944-PBS **Package : 10μg 100μg**

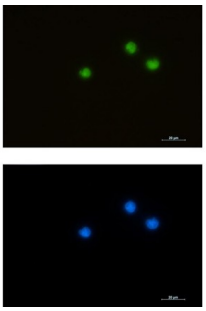
Product Name : HDAC1 (DGR13518) Rabbit mAb (PBS Only)
Cat.No.: db11944-PBS
Synonyms : HD1; RPD3; GON-10; RPD3L1
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human HDAC1
Gene ID	3065
Swiss Prot	Q13547
Synonyms	HD1; RPD3; GON-10; RPD3L1
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Calculated MW	55 kDa
Observed MW	62 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR13518
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated

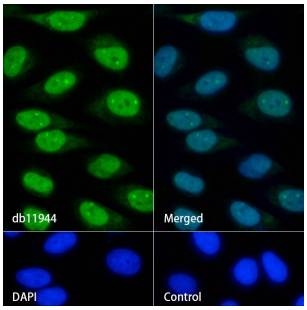
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from K562 cells using db11944 at 1:1000.



Immunofluorescent analysis of Jurkat cells using db11944 antibody (green), and DAPI (blue).



Immunofluorescence analysis of HeLa cells labelling HDAC1 with db11944.

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 db11944 (1:50) 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.