Recombinant DGRmAb®

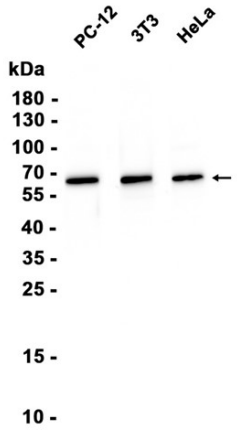
HDAC1 (DGR35600) Rabbit mAb

db16567 **Package : 10μL 20μL 50μL 100μL**

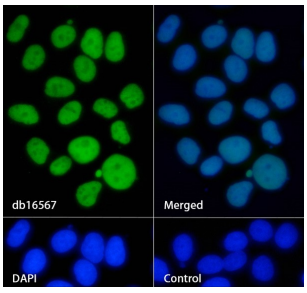
Product Name : HDAC1 (DGR35600) Rabbit mAb
Cat.No.: db16567
Synonyms : HD1; RPD3; KDAC1; GON-10; RPD3L1
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human, Mouse, Rat
Host species : Rabbit

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	Recombinant protein of human HDAC1
Gene ID	3065,433759,297893
Swiss Prot	Q13547,O09106,Q4QQW4
Synonyms	HD1; RPD3; KDAC1; GON-10; RPD3L1
Reactivity	Human, Mouse, Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000 IHC-P: 1:500-1:2000 ICC/IF: 1:2000-1:5000 FC: 1:200-1:500 IP: 1:20-1:50
Calculated MW	55 kDa
Observed MW	62 kDa
Host species	Rabbit
Clonality	Monoclonal

Clonality No.	DGR35600
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 PC-12, 3T3, HeLa cells using db16567 at 1:1000.



Immunofluorescence analysis of MCF-7 cells labelling HDAC1 with db16567.

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 db16567 (1:2000) 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.