Recombinant DGRmAb®

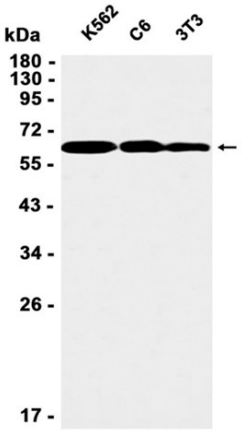
HDAC2 (DGR14124) Rabbit mAb

db11911 **Package : 10μL 20μL 50μL 100μL**

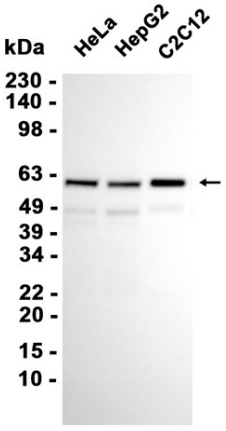
Product Name : HDAC2 (DGR14124) Rabbit mAb
Cat.No.: db11911
Synonyms : HD2; RPD3; YAF1
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes, and are responsible for the deacetylation of lysine residues at the N-terminal regions of core histones (H2A, H2B, H3 and H4). This protein forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus, it plays an important role in transcriptional regulation, cell cycle progression and developmental events. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]
Immunogen	Recombinant protein of human HDAC2
Gene ID	3066
Swiss Prot	Q92769
Synonyms	HD2; RPD3; YAF1
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: 1:500-1:1000 FC: 1:200-1:500 IP: 1:20-1:50
Calculated MW	55 kDa
Observed MW	60 kDa
Host species	Rabbit
Clonality	Monoclonal

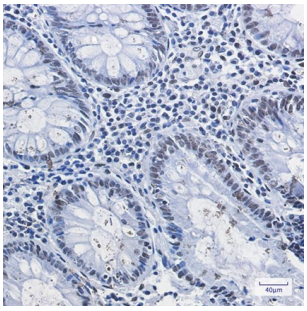
Clonality No.	DGR14124
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



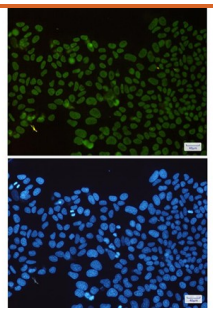
Western blot analysis of extracts from K562, C6, and 3T3 cells using db11911 at 1:1000.



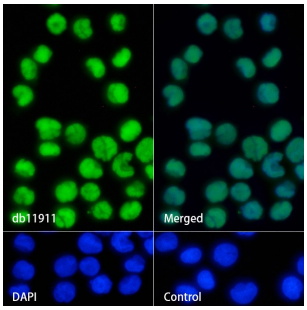
Western blot analysis of extracts from HeLa, HepG2, and C2C12 cells using db11911 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human colon cancer using db11911 antibody.



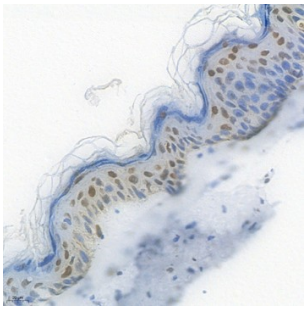
Immunofluorescent analysis of HeLa cells using db11911 antibody (green), and DAPI (blue).



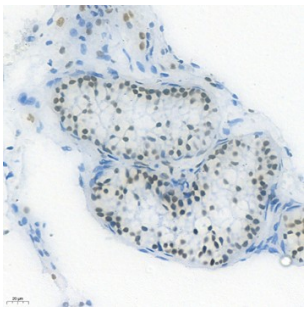
Immunofluorescence analysis of K562 cells labelling HDAC2 with db11911.

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 db11911 (1:500) 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.

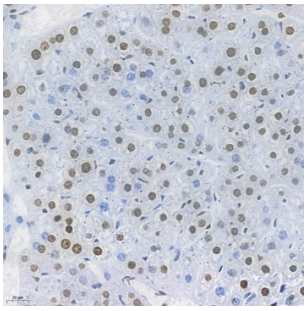
Control: Secondary antibody only.



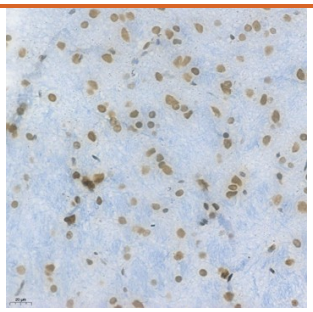
Immunohistochemical analysis of paraffin-embedded human skin tissue labeling HDAC2 with db11911. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human testicular carcinoma tissue labeling HDAC2 with db11911. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue labeling HDAC2 with db11911. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat brain tissue labeling HDAC2 with db11911. Counter stained with Hematoxylin.