Recombinant DGRmAb®

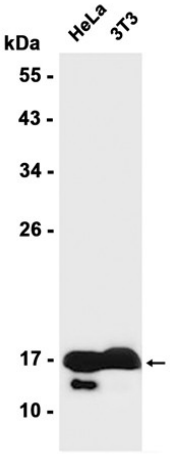
Histone H3 Recombinant Rabbit mAb

db11049 **Package : 10μL 20μL 100μL 500μL 1mL**

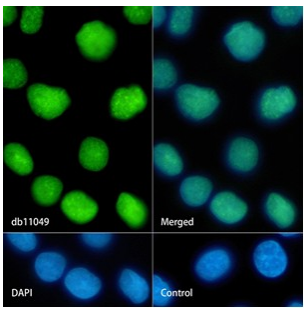
Product Name : Histone H3 Recombinant Rabbit mAb
Cat.No.: db11049
Synonyms : H3/A; H3FA
Application : WB, IHC, ICC/IF, FC
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in the large histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015]
Immunogen	A synthetic peptide of human Histone H3
Gene ID	8350
Swiss Prot	P68431
Synonyms	H3/A; H3FA
Reactivity	Human, Mouse, Rat
Application	WB, IHC, ICC/IF, FC
Recommended dilution	WB: 1:1000 IHC-P: 1:2000-1:10000 ICC/IF: 1:500-1:2000 FC: 1:50
Calculated MW	15 kDa
Observed MW	17 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR11883
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.



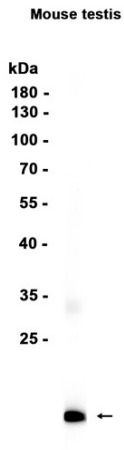
Western blot analysis of extracts from HeLa, 3T3 cells using db11049 at 1:1000.



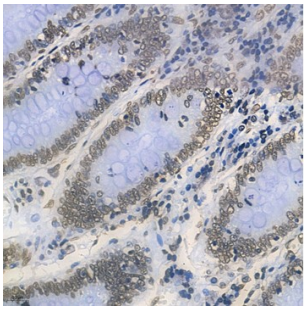
Immunofluorescence analysis of A431 cells labelling Histone H3 with db11049.

The cells were fixed with cold 100% methanol (10min, 4℃) 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 db11049 (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.

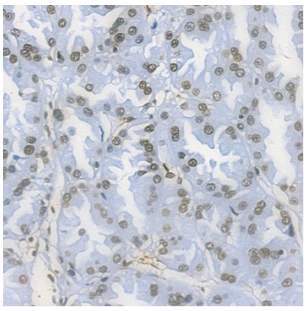
Control: Secondary antibody only.



Western blot analysis of extracts from Mouse testis tissue using db11049 at 1:50000.



Immunohistochemical analysis of paraffin-embedded human colon tissue labeling Histone H3 with db11049. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue labeling Histone H3 with db11049. Counter stained with Hematoxylin.