

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 dilutionWB: 1:1000
IHC-P: 1:2000-1:10000
ICC/IF: 1:500-1:2000
FC: 1:50**Calculated MW**

15 kDa

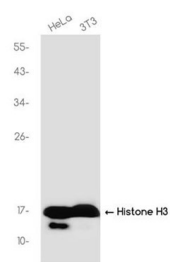
Observed MW

17 kDa

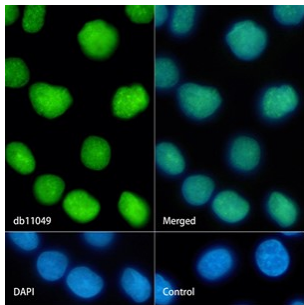
Host species

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.



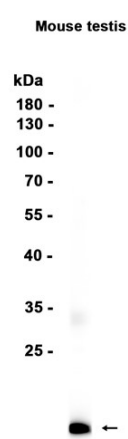
Western blot analysis of extracts from HeLa, 3T3 cells using db11049 at 1:1000.



Immunofluorescence analysis of A431 cells labelling Histone H3 with db11049.

The cells were fixed with cold 100% methanol (10min, 4°C) 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 teatis tissue using db11049 at 1:50000.