Recombinant DGRmAb®

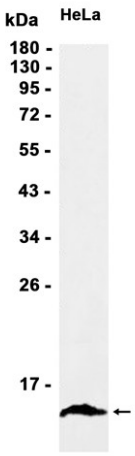
# Histone H4 (DGR13071) Rabbit mAb (PBS Only)

**db14839-PBS** **Package : 10μg 100μg**

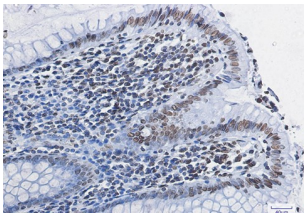
**Product Name :** Histone H4 (DGR13071) Rabbit mAb (PBS Only)
**Cat.No.:** db14839-PBS
**Synonyms :** H4/p
**Application :** WB, IHC-P, ICC/IF
**Reactivity :** Human,Mouse,Rat
**Host species :** Rabbit

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|---|---|
| **Background** | Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone 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 H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. [provided by RefSeq, Aug 2015] |
| **Immunogen** | A synthetic peptide of human Histone H4 |
| **Gene ID** | 121504 |
| **Swiss Prot** | P62805 |
| **Synonyms** | H4/p |
| **Reactivity** | Human,Mouse,Rat |
| **Application** | WB, IHC-P, ICC/IF |
| **Calculated MW** | 11 kDa |
| **Observed MW** | 11 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR13071 |
| **Isotype** | IgG |
| **Purity** | Affinity Purification |

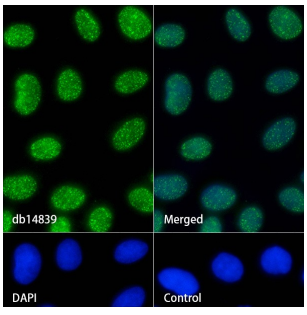
| | |
|---|---|
| **Conjugation** | Un-conjugated |
| **Concentration** | 1 mg/mL |
| **Formulation** | PBS Only |
| **Storage Stability** | Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt. |




Western blot analysis of extracts from HeLa cells using db14839 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using db14839 antibody.




Immunofluorescence analysis of HeLa cells labelling Histone H4 with db14839.

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 db14839 (1:100) 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.