Recombinant DGRmAb®

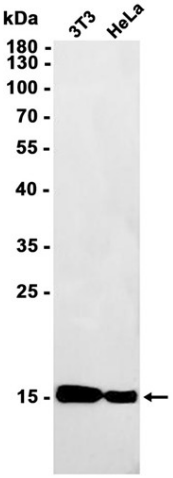
Histone H2A.X (DGR16840) Rabbit mAb

db11980 **Package : 10μL 20μL 50μL 100μL**

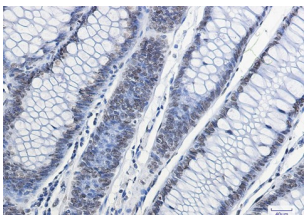
Product Name : Histone H2A.X (DGR16840) Rabbit mAb
Cat.No.: db11980
Synonyms : H2AX; H2A.X; H2A/X
Application : WB, IHC, ICC/IF, FC, IP
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a replication-independent histone that is a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq, Oct 2015]
Immunogen	A synthetic peptide of human Histone H2A.X
Gene ID	3014
Swiss Prot	P16104
Synonyms	H2AX; H2A.X; H2A/X
Reactivity	Human, Mouse, Rat
Application	WB, IHC, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000-1:5000 IHC: 1:200-1:1000 ICC/IF: 1:200-1:1000 FC: 1:20 IP: 1:20-1:100
Calculated MW	15 kDa
Observed MW	15 kDa
Host species	Rabbit

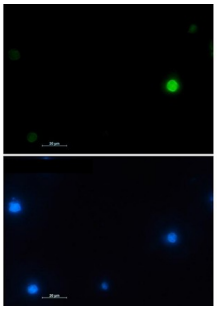
Clonality	Monoclonal
Clonality No.	DGR16840
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



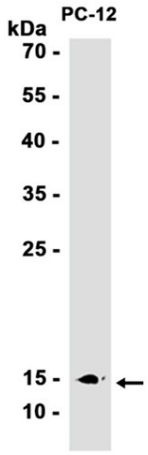
Western blot analysis of extracts from 3T3, HeLa cells using db11980 at 1:1000.



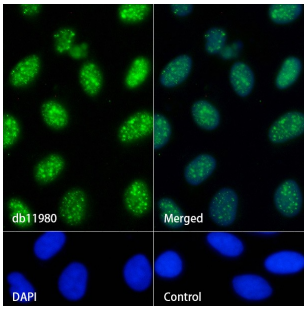
Immunohistochemical analysis of paraffin-embedded human colon cancer using db11980 antibody.



Immunofluorescent analysis of HL-60 cells using db11980 antibody (green), and DAPI (blue).



Western blot analysis of extracts from PC-12 cells using db11980 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Histone H2A.X with db11980.

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 db11980 (1:200) 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.