

Recombinant

DGRmAb®

**Histone H2A.X (DGR20837) Rabbit mAb**

db13705

Package : 10µL 20µL 50µL 100µL

**Product Name** : Histone H2A.X (DGR20837) Rabbit mAb**Cat.No.:** db13705**Synonyms** : H2A.X; H2A/X; H2AFX**Application** : WB, IHC-P, ICC/IF, FC, IP**Reactivity** : Human**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**

H2A.X; H2A/X; H2AFX

**Reactivity**

Human

**Application**

WB, IHC-P, ICC/IF, FC, IP

**Recommended dilution**WB: 1:1000  
IHC-P: 1:100-1:200  
ICC/IF: 1:100  
FC: 1:20-1:50  
IP: 1:20-1:50**Calculated MW**

15 kDa

**Observed MW**

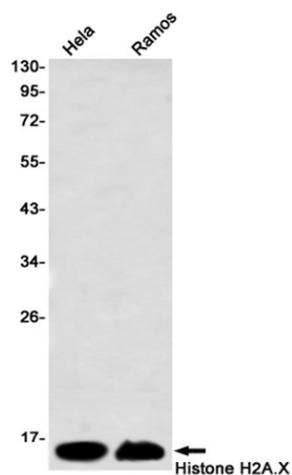
15 kDa

**Host species**

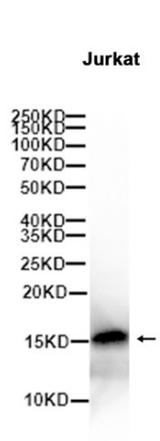
Rabbit

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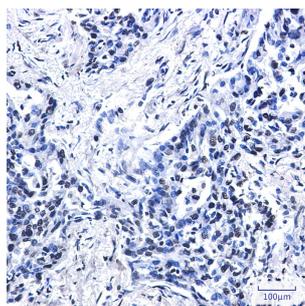
<b>Clonality</b>	Monoclonal
<b>Clonality No.</b>	DGR20837
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



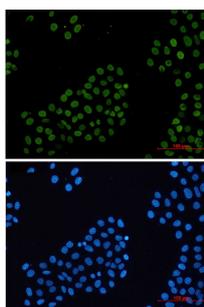
Western blot detection of Histone H2A.X in HeLa,Ramos using Histone H2A.X antibody(1:1000 diluted)



Western blot analysis of extracts from Jurkat cells using db13705 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using db13705 antibody.



Immunofluorescent analysis of HeLa cells using db13705 antibody (green), and DAPI (blue).