

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 dilutionWB: 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

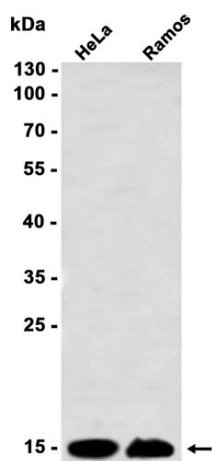
Observed MW

15 kDa

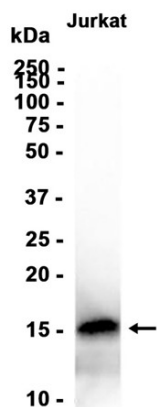
Host species

Rabbit

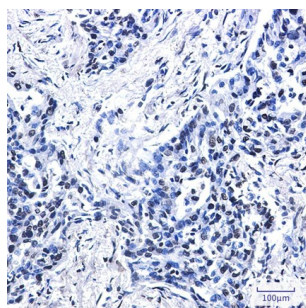
Clonality	Monoclonal
Clonality No.	DGR20837
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



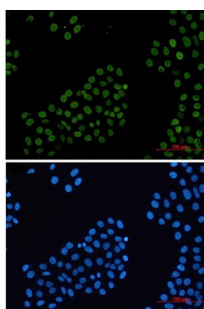
Western blot analysis of extracts from HeLa, Ramos cells using db13705 at 1:1000.



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).