

Recombinant

DGRmAb®

Macro H2A.1 (DGR14657) Rabbit mAb

db11728

Package : 10µL 20µL 50µL 100µL

Product Name : Macro H2A.1 (DGR14657) Rabbit mAb**Cat.No.:** db11728**Synonyms** : H2A.y; H2A/y; mH2A1; H2AF12M; MACROH2A1.1; macroH2A1.2**Application** : WB, IHC-P, ICC/IF**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. 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 encodes a replication-independent histone that is a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2015]

Immunogen

A synthetic peptide of human macroH2A.1

Gene ID

9555

Swiss Prot

O75367

Synonyms

H2A.y; H2A/y; mH2A1; H2AF12M; MACROH2A1.1; macroH2A1.2

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, ICC/IF

Recommended dilution

WB: 1:2000-1:20000

IHC-P: 1:50-1:100

ICC/IF: 1:200-1:500

Calculated MW

40 kDa

Observed MW

40 kDa

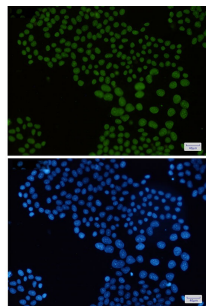
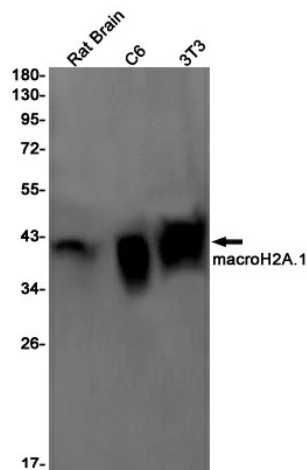
Host species

Rabbit

Clonality

Monoclonal

Clonality No.	DGR14657
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 detection of macroH2A.1 in Rat Brain,C6,3T3 cell lysates using macroH2A.1 antibody(1:1000 diluted).

Immunofluorescent analysis of HeLa cells using db11728 antibody (green), and DAPI (blue).