

[KO Validated] macroH2A.1 Rabbit Polyclonal Antibody

CAB7045



Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

40kDa

Calculated MW:

39kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:100

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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.

Immunogen information

Gene ID:

9555

Uniprot

O75367

Synonyms:

H2AFY; H2A.y; H2A/y; H2AF12M; MACROH2A1.1; mH2A1;
macroH2A1.2

Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 123-372 of human H2AFY (NP_613258.2).

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images

