

H2AFY

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

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

Calculated MW: 40kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human H2AFY

Storage Buffer:

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

Synonym:

H2A.y; H2A.y; H2AFJ; mH2A1; H2AF12M; MACROH2A1.1; macroH2A1.2;

Catalog #: A7045

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 9555

Isotype: IgG

Swiss Prot: O75367

Purity: Affinity purification

For research use only.

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 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.

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