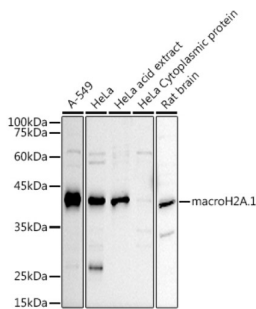


## H2A Histone Family, Member Y (H2AFY) Antibody

Catalogue No.: abx005334



Western blot analysis of extracts of various cell lines using macroH2A.1 Antibody (1/1000 dilution).

H2AFY Antibody is a Rabbit Polyclonal antibody against H2AFY. 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.

<b>Target:</b>	H2A Histone Family, Member Y (H2AFY)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	A synthetic peptide corresponding to human macroH2A.1
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	O75367 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )

# Datasheet

Version: 3.0.0  
Revision date: 10 Apr 2025



**Gene Symbol:** H2AFY

**GeneID:** [9555](#)

**NCBI Accession:** NP\_613258.2

**KEGG:** hsa:9555

**String:** [9606.ENSP00000423563](#)

**Molecular Weight:** Calculated MW: 39 kDa

**Buffer:** PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

**Concentration:** 1 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only