

## Rabbit H2AFY Polyclonal Antibody | anti-H2AFY antibody

H2AFY antibody - N-terminal region

|                               |                       |                                                                                               |                                     |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA200799</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------------------------|-------------------------------------|

### PRODUCT SYNONYMS

H2AFY; Polyclonal Antibody; H2AFY antibody - N-terminal region; anti-H2AFY antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish                                                                              |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Affinity Purified                                                                                                                                     |
| Form/Format                                     | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                        | Synthetic peptide with the following region: HP KYRIGVGAPV YMAAVLEYLT AEILELAGNA ARDNKKGRVT PRHILLAV                                                  |
| Sequence Length                                 | 371                                                                                                                                                   |
| Applicable Applications for anti-H2AFY antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                        | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 93%; Zebrafish: 100%                   |
| Immunogen                                       | The immunogen is a synthetic peptide directed towards the N terminal region of human H2AFY                                                            |
| Preparation and Storage                         | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-H2AFY Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:12500  
Positive Control: MCF7 cell lysate


**WB (Western Blot)**

Host: Rabbit  
Target Name: H2AFY  
Sample Type: MCF7  
Antibody Dilution: 1.0 ug/ml  
H2AFY is strongly supported by BioGPS gene expression data to be expressed in Human MCF7 cells

ADDITIONAL INFORMATION

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| Related Product Information for anti-H2AFY antibody | <p>This is a rabbit polyclonal antibody against H2AFY. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: 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. H2AFY 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.</p> <p>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.</p> |
| Product Categories/Family for anti-H2AFY antibody   | Polyclonal; Chromatin & Nuclear Signaling; Various; Epigenetics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 93141020                                               |
| NCBI GeneID                      | 9555                                                   |
| NCBI Accession #                 | NP_001035248                                           |
| NCBI GenBank Nucleotide #        | NM_001040158                                           |
| UniProt Accession #              | O75367                                                 |
| Molecular Weight                 | 39kDa                                                  |
| NCBI Official Full Name          | core histone macro-H2A.1 isoform 2                     |
| NCBI Official Synonym Full Names | H2A histone family member Y                            |
| NCBI Official Symbol             | H2AFY                                                  |
| NCBI Official Synonym Symbols    | H2A.y; H2A/y; mH2A1; H2AF12M; MACROH2A1.1; macroH2A1.2 |
| NCBI Protein Information         | core histone macro-H2A.1                               |
| UniProt Protein Name             | Core histone macro-H2A.1                               |
| UniProt Gene Name                | H2AFY                                                  |
| UniProt Synonym Gene Names       | MACROH2A1; Histone macroH2A1; mH2A1; H2A/y             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/h2afy-antibody-western-blot-elisa/200799>