

Rabbit anti-Human, mouse H2AFY2 Polyclonal Antibody | anti-H2AFY2 antibody

H2AFY2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283705	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

H2AFY2; Polyclonal Antibody; H2AFY2 Antibody (N-term); Core histone macro-H2A2; Histone macroH2A2; mH2A2; MACROH2A2; anti-H2AFY2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This H2AFY2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-39 amino acids from the N-terminal region of human H2AFY2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	11-39
Sequence Length	372
Applicable Applications for anti-H2AFY2 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

H2AFY2 Antibody (N-term) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

H2AFY2 Antibody (N-term) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the H2AFY2 antibody detected the H2AFY2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-H2AFY2 antibody	Variant histone H2A which replaces conventional H2A in a subset of nucleosomes where it represses transcription. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. May be involved in stable X chromosome inactivation.
References	Xu, J., et al. Proc. Natl. Acad. Sci. U.S.A. 107(5):2136-2140(2010) Sporn, J.C., et al. Oncogene 28(38):3423-3428(2009) Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006) Zhang, R., et al. Dev. Cell 8(1):19-30(2005) Deloukas, P., et al. Nature 429(6990):375-381(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	8923920
NCBI GeneID	55506
NCBI Accession #	NP_061119.1
NCBI GenBank Nucleotide #	NM_018649.2
UniProt Accession #	Q9P0M6; Q5SQT2
Molecular Weight	40058
NCBI Official Full Name	core histone macro-H2A.2
NCBI Official Synonym Full Names	H2A histone family, member Y2
NCBI Official Symbol	H2AFY2
NCBI Official Synonym Symbols	macroH2A2
NCBI Protein Information	core histone macro-H2A.2
UniProt Protein Name	Core histone macro-H2A.2
UniProt Gene Name	H2AFY2
UniProt Synonym Gene Names	MACROH2A2; Histone macroH2A2; mH2A2
UniProt Entry Name	H2AW_HUMAN

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/h2afy2-antibody-flow-cytometry-western-blot-elisa/283705>