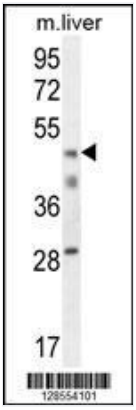
H2AFY2 Antibody – Rabbit Polyclonal

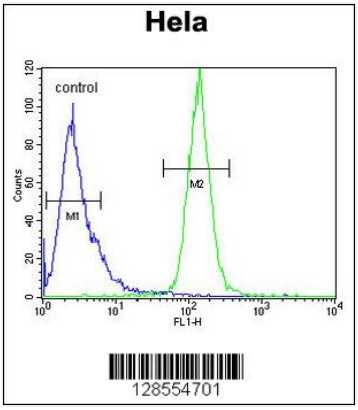
PRODUCT OVERVIEW

Product Name	H2AFY2, Polyclonal Antibody
Full Product Name	H2AFY2, NT (H2AFY2, MACROH2A2, Core histone macro-H2A.2) (APC)
Product Gene Name	anti-H2AFY2 antibody
Product Synonym Names	H2AFY2; MACROH2A2; Core histone macro-H2A.2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	40,058 Da
3D Structure	ModBase 3D Structure for Q9P0M6
Immunogen	H2AFY2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-43 amino acids from the N-terminal region of human H2AFY2.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-H2AFY2 antibody	Antibodies; Histones
Applications Tested/Suitable for anti-H2AFY2 antibody	Flow Cytometry (FC/FACS), FLISA, Western Blot (WB)
Application Notes for anti-H2AFY2 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
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.
Product References and Citations for anti-H2AFY2 antibody	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).

Other Notes	Small volumes of anti-H2AFY2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for H2AFY2 purchase	MBS6305241 is an antibody targeting H2AFY2. Also known as H2AFY2, NT (H2AFY2, MACROH2A2, Core histone macro-H2A.2) (APC). Reactive in Human, Mouse. Host: Rabbit.



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



Flow Cytometry (FC/FACS) of anti-H2AFY2 antibody
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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for H2AFY2. It may not necessarily be applicable to this product.

NCBI GI #	8923920
NCBI GeneID	55506
NCBI Accession #	NP_061119.1
UniProt Primary Accession #	Q9P0M6
UniProt Secondary Accession #	Q5SQT2
UniProt Related Accession #	Q9P0M6
GenBank Nucleotide #	NM_018649.2
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
UniProt Protein Name	Core histone macro-H2A.2
Protein Family	Core histone macro
UniProt Gene Name	H2AFY2
UniProt Synonym Gene Names	MACROH2A2; Histone macroH2A2; mH2A2
UniProt Entry Name	H2AW_HUMAN
NCBI Protein Information	core histone macro-H2A.2; core histone macroH2A2.2; mH2A2

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