

H2AFY2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10726a**Specification**

H2AFY2 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9P0M6](#)**H2AFY2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 55506**Other Names**

Core histone macro-H2A2, Histone macroH2A2, mH2A2, H2AFY2, MACROH2A2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

H2AFY2 Antibody (N-term) Blocking peptide - Protein Information**Name** MACROH2A2 ([HGNC:14453](#))**Function**

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.

Cellular Location

Nucleus. Chromosome. Note=Enriched in inactive X chromosome chromatin (PubMed:11331621, PubMed:11262398) and in senescence- associated heterochromatin (PubMed:15621527)

H2AFY2 Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

H2AFY2 Antibody (N-term) Blocking peptide - Images

H2AFY2 Antibody (N-term) Blocking peptide - Background

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H2AFY2 Antibody (N-term) Blocking peptide - 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)