

H2AFY2 Blocking Peptide (Center)

Synthetic peptide

Catalog # BP20530c

Specification

H2AFY2 Blocking Peptide (Center) - Product Information

Primary Accession

[Q9P0M6](#)**H2AFY2 Blocking Peptide (Center) - Additional Information****Gene ID** 55506**Other Names**

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

Target/Specificity

The synthetic peptide sequence is selected from aa 158-169 of Human H2AFY2

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 Blocking Peptide (Center) - 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 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

H2AFY2 Blocking Peptide (Center) - Images

H2AFY2 Blocking Peptide (Center) - Background

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