

ASF1A Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17195b**Specification**

ASF1A Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O9Y294](#)**ASF1A Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 25842

Other Names

Histone chaperone ASF1A, Anti-silencing function protein 1 homolog A, hAsf1, hAsf1a, CCG1-interacting factor A, CIA, hCIA, ASF1A

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.

ASF1A Antibody (C-term) Blocking Peptide - Protein Information**Name** ASF1A {ECO:0000303|PubMed:10759893, ECO:0000312|HGNC:HGNC:20995}**Function**

Histone chaperone that facilitates histone deposition and histone exchange and removal during nucleosome assembly and disassembly (PubMed:10759893, PubMed:11897662, PubMed:12842904, PubMed:14718166, PubMed:15664198, PubMed:16151251, PubMed:21454524). Cooperates with chromatin assembly factor 1 (CAF-1) to promote replication-dependent chromatin assembly and with HIRA to promote replication-independent chromatin assembly (PubMed:11897662, PubMed:14718166, PubMed:15664198). Promotes homologous recombination-mediated repair of double-strand breaks (DSBs) at stalled or collapsed replication forks: acts by mediating histone replacement at DSBs, leading to recruitment of the MMS22L-TONSL complex and subsequent loading of RAD51 (PubMed:<a

[29478807](http://www.uniprot.org/citations/29478807)). Also involved in the nuclear import of the histone H3-H4 dimer together with importin-4 (IPO4): specifically recognizes and binds newly synthesized histones with the monomethylation of H3 'Lys-9' and acetylation at 'Lys-14' (H3K9me1K14ac) marks, and diacetylation at 'Lys-5' and 'Lys-12' of H4 (H4K5K12ac) marks in the cytosol (PubMed:[21454524](http://www.uniprot.org/citations/21454524), PubMed:[29408485](http://www.uniprot.org/citations/29408485)). Required for the formation of senescence-associated heterochromatin foci (SAHF) and efficient senescence-associated cell cycle exit (PubMed:[15621527](http://www.uniprot.org/citations/15621527)).

Cellular Location

Nucleus. Chromosome

Tissue Location

Ubiquitously expressed.

ASF1A Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ASF1A Antibody (C-term) Blocking Peptide - Images**ASF1A Antibody (C-term) Blocking Peptide - Background**

This gene encodes a member of the H3/H4 family of histone chaperone proteins and is similar to the anti-silencing function-1 gene in yeast. The protein is a key component of a histone donor complex that functions in nucleosome assembly. It interacts with histones H3 and H4, and functions together with a chromatin assembly factor during DNA replication and repair. [provided by RefSeq].

ASF1A Antibody (C-term) Blocking Peptide - References

Jasencakova, Z., et al. Mol. Cell 37(5):736-743(2010) Newton-Cheh, C., et al. Nat. Genet. 41(4):399-406(2009) Banumathy, G., et al. Mol. Cell. Biol. 29(3):758-770(2009) Ambagala, A.P., et al. J. Virol. 83(1):200-209(2009) Pilyugin, M., et al. PLoS ONE 4 (12), E8328 (2009) :