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Anti-ASF1B Antibody

Catalog # AP95674

Product Information

Application	WB, FC
Primary Accession	Q9NVP2
Reactivity	Human, Mouse, Mk
Host	Mouse
Clonality	Monoclonal
Calculated MW	22434

Additional Information

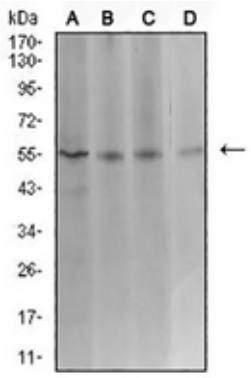
Gene ID	55723
Other Names	Histone chaperone ASF1B; Anti-silencing function protein 1 homolog B; hAsf1; hAsf1b; CCG1-interacting factor A-II; CIA-II; hCIA-II
Target/Specificity	Recombinant fusion protein of human ASF1B expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

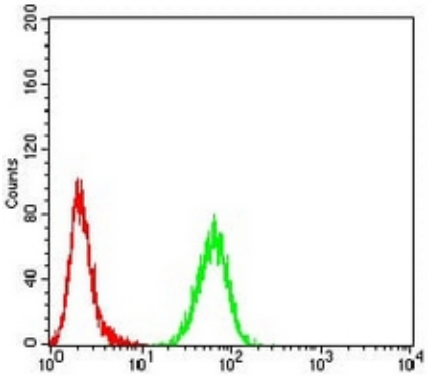
Name	ASF1B {ECO:0000303|PubMed:11470414, ECO:0000312|HGNC:HGNC:20996}
Function	Histone chaperone that facilitates histone deposition and histone exchange and removal during nucleosome assembly and disassembly (PubMed:11897662, PubMed:14718166, PubMed:15664198, PubMed:16151251, PubMed:21454524, PubMed:26527279). Cooperates with chromatin assembly factor 1 (CAF-1) to promote replication-dependent chromatin assembly (PubMed:11897662, PubMed:14718166, PubMed:15664198, PubMed:16151251). 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' (H3K9me1) and diacetylation at 'Lys-5' and 'Lys-12' of H4 (H4K5K12ac) marks in the cytosol (PubMed:20953179, PubMed:21454524, PubMed:26527279). Does not participate in replication-independent nucleosome deposition which is mediated by ASF1A and HIRA (PubMed:11897662, PubMed:14718166, PubMed:15664198, PubMed:16151251). Required for gonad development (PubMed:12842904).
Cellular Location	Nucleus. Cytoplasm, cytosol

Tissue Location	Highly expressed in testis and at lower levels in colon, small intestine and thymus.

Images



Western blot analysis of ASF1B expression in Hela (A), COS7 (B), HCT116 (C), CHO3D10 (D) whole cell lysates. (Predicted band size: 22 kD; Observed band size: 55 kD)



Flow cytometric analysis of K562 cells using Anti-ASF1B Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.