

Human ASF1B antibody

Catalog Number: ATGA0315

PRODUCT INFORMATION

Catalog number

ATGA0315

Clone No.

AT1D4

Product type

Monoclonal Antibody

UnitProt No.

Q9NVP2

NCBI Accession No.

NP_060624

Alternative Names

ASF1 anti-silencing function 1 homolog B (S.cerevisiae), CIA-II

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human ASF1B (1-202aa) purified from E. coli

Isotype

IgG2b kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB

Usage

The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

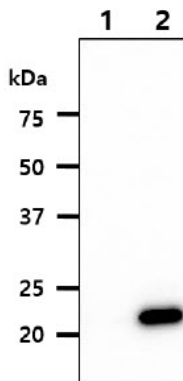
ASF1B is a member of the H3/H4 family of histone chaperone proteins and is similar to the anti-silencing function-1 gene in yeast. The encoded protein is the substrate of the tousel-like kinase family of cell cycle-regulated kinases, and may play a key role in modulating the nucleosome structure of chromatin by ensuring a constant supply of histones at sites of nucleosome assembly. Delivering histone H3/H4 dimers to CAF-1 or HIRA histone deposition complexes to facilitate replication-coupled and replication-independent nucleosome assembly on DNA. Both ASF1A and ASF1B are phosphorylated in S phase by the Tousel-like kinases TLK1 and TLK2, and are dephosphorylated when TLK1 and TLK2 are inactivated by Chk1 kinase in response to replicative stress.

General References

- Corpet A., et al. (2011) EMBO J 30:480-493
Mousson F., et al. (2007) Chromosoma 116:79-93
Hayashi R., et al. (2007) DNA Cell Biol 126:91-99

DATA

Western blot analysis (WB)



The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ASF1B antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: 293T cell lysate
Lane 2.: ASF1B transfected 293T cell lysate