

ASF1B (C-17): sc-79849

BACKGROUND

ASF1A (anti-silencing function 1A) is a transcription factor that has been shown to bind with HeLa cell core Histones H3 and H4. Human ASF1A, which shares 71% amino acid identity to ASF1B, is believed to act as a chaperone to derepress genes since that action is observed in yeast Asf1A. High phosphorylation of ASF1A is demonstrated during the S phase of the cell cycle. Both ASF1A and B are phosphorylated by the proteins TLK1 and TLK2. The ASF1B gene has been mapped to chromosome 19p13.12 while the ASF1A gene localizes to 6q22.31. ASF1A and B cooperate in the formation of nucleosomes along with the protein CAF1.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ASF1B (human) mapping to 19p13.12; Asf1b (mouse) mapping to 8 C3.

SOURCE

ASF1B (C-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of ASF1B of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-79849 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

ASF1B (C-17) is recommended for detection of ASF1B of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

ASF1B (C-17) is also recommended for detection of ASF1B in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for ASF1B siRNA (h): sc-72563, ASF1B siRNA (m): sc-72564, ASF1B shRNA Plasmid (h): sc-72563-SH, ASF1B shRNA Plasmid (m): sc-72564-SH, ASF1B shRNA (h) Lentiviral Particles: sc-72563-V and ASF1B shRNA (m) Lentiviral Particles: sc-72564-V.

Molecular Weight of ASF1B: 22 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **ASF1B (C-6): sc-393169** or **ASF1A/B (4A1/3): sc-53171**, our highly recommended monoclonal alternatives to ASF1B (C-17).