Human FUBP1 antibody

Catalog Number: ATGA0369

PRODUCT INFORMATION

Catalog number
ATGA0369

Clone No.
AT14F5

Product type
Monoclonal Antibody

UnitProt No.
Q96AE4

NCBI Accession No.
NP_003893

Alternative Names
Far upstream element (FuSE) binding protein 1, FBP, FuBP

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 FUBP1 (279-448aa) purified from E.coli

Isotype
IgG2b kappa

Purification Note
By protein-A affinity chromatography

Application
ELISA,WB,ICC/IF

Usage
The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

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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

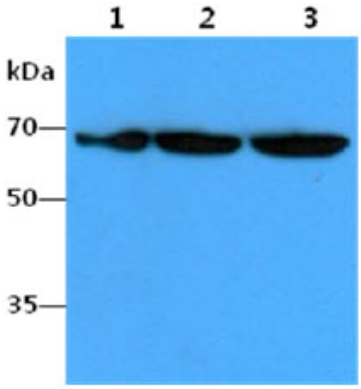
FUBP1 is a transcriptional regulator and fulfills an important function in the precise control of c-myc transcription. The c-Myc protein is a transcription factor which regulates the transcription of many different target genes that play a role in proliferation, cell cycle progression, differentiation, apoptosis and cell metabolism. Consequently, FUBP1 is also involved in the regulation of proliferation and differentiation, as confirmed by different experimental approaches. Knockdown of FUBP1 or expression of a dominant-negative FUBP1 (DNA-binding domain lacking effector activity) led to proliferation arrest in U2OS and Saos-2 osteosarcoma cells due to reduced c-myc expression.

General References

Duncan R., et al. (1994) Genes Dev. 8(4): 465-480.
Liu J., et al. (2006) EMBO J. 25(10): 2119-2130.

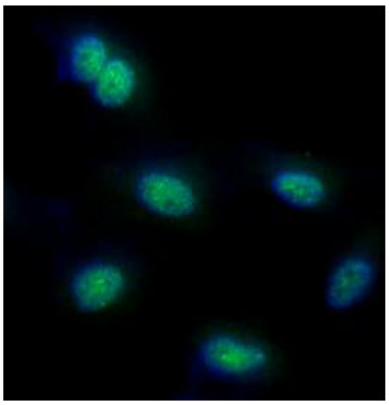
DATA

Western blot analysis (WB)



The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FUBP1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: HeLa cell lysate
Lane 2.: HepG2 cell lysate
Lane 3.: Jurkat cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of FUBP1 in HeLa cells. The cell was stained with ATGA0369 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).