

Human CSTF1 antibody

Catalog Number: ATGA0289

PRODUCT INFORMATION

Catalog number

ATGA0289

Clone No.

AT10E11

Product type

Monoclonal Antibody

UnitProt No.

Q05048

NCBI Accession No.

NP_001028693

Alternative Names

Cleavage stimulation factor subunit 1, CstF-50, CstFp50

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 CSTF1 (1-431aa) 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

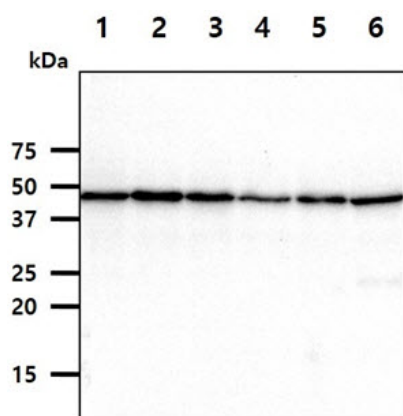
CSTF1, also known as cleavage stimulation factor subunit 1, is 431 amino acid protein. It is involved in the polyadenylation and 3' end cleavage of pre-mRNAs. CSTF1 may be responsible for the interaction of CSTF with other factors to form a stable complex on the pre-mRNA. Similar to mammalian G protein beta subunits, this protein contains transducin-like repeats.

General References

- Takagaki. Y. and Manley J.L. (1992) J Biol Chem 267: 23471-23474.
Takagaki. Y. and Manley J.L. (2000) Mol Cell Biol 20: 1515-1525.
Kleiman. F.E. and Manley. J.L. (1999) Science 285: 1576-1579.

DATA

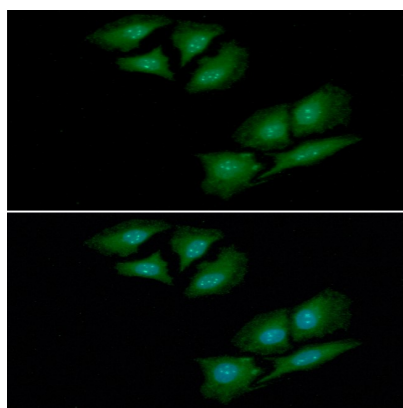
Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CSTF1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

- Lane 1.: MCF7 cell lysate
Lane 2.: 293T cell lysate
Lane 3.: HeLa cell lysate
Lane 4.: A549 cell lysate
Lane 5.: K562 cell lysate
Lane 6.: Jurkat cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of CSTF1 in HeLa cells. The cell was stained with ATGA0289 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).