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

lgG2b 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



NKMAXBiO We support you, we believe in your research Human CSTF1 antibody Catalog Number: ATGA0289

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

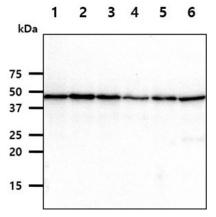
CSTF1, also known as cleavage stimulation factor subunit 1, is 431 amino acid protein. It is involved in the polyadenylation and 3 end cleavage of pre-mRNAs. CSTF1 may be responsible for the interaction of CSTF with other factors to form a stable complex on the pre-mRNA. Similar to mammalian G protein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

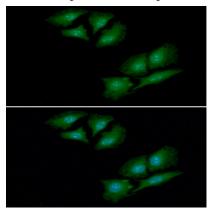
DATA

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).

