

Human IMP3 antibody

Catalog Number: ATGA0437

PRODUCT INFORMATION

Catalog number

ATGA0437

Clone No.

AT32E9

Product type

Monoclonal Antibody

UnitProt No.

Q9NV31

NCBI Accession No.

NP_060755

Alternative Names

u3 small nucleolar ribonucleoprotein protein IMP3, BRMS2, C15orf12, MRPS4

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 IMP3 (1-184aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by ELISA, Western blot analysis and ICC/IF 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

IMP3 is the human homolog of the yeast Imp3 protein. The protein localizes to the nucleoli and interacts with the u3 snoRNP complex. The protein contains an S4 domain.

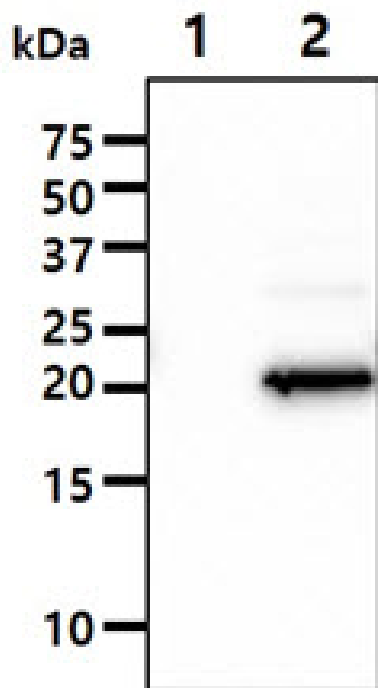
General References

Li C., et al. (2007) *Mod Pathol.* 20(2): 242-7.

Granneman S., et al. (2003) *Nucleic Acids Res.* 31(7): 1877-87.

DATA

Western blot analysis (WB)

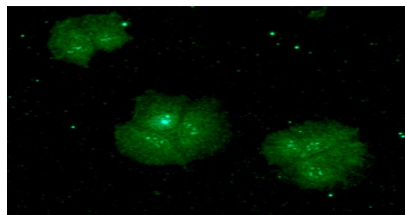


The Cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human IMP3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1. : 293T cell lysate

Lane 2. : IMP3 Transfected 293T cell lysate

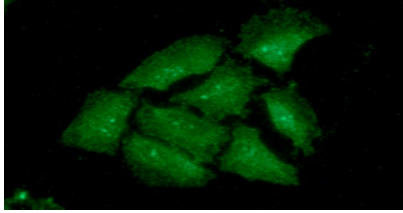
Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of IMP3 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human IMP3 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

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