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Human PCBP1 antibody

Catalog Number: ATGA0284

PRODUCT INFORMATION

Catalog number

ATGA0284

Clone No.

AT2A10

Product type

Monoclonal Antibody

UnitProt No.

Q15365

NCBI Accession No.

NP 006187

Alternative Names

Poly(rC) binding protein 1, Poly(rC) binding protein 1, hnRNP-E1, hnRNP-X, HNRPE1, HNRPX

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 PCBP1 (1-163aa) purified from E. coli

Isotype

IgG2a 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

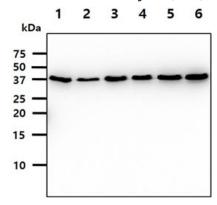
PCBP-1 and PCBP-2 have paralogues (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. PCBP1 constitutes a set of polypeptides that contribute to mRNA transcription, pre-mRNA processing as well as mature mRNA transport to the cytoplasm and translation. It has also been implicated in translational control of the 15-lipoxygenase mRNA, human Papillomavirus type 16 L2 mRNA, and hepatitis A virus RNA.

General References

Beausoleil S.A., et al. (2006) Nat. Biotechnol. 24(10):1285-1292. Leffers H., et al. (1995) Eur J Biochem 230(2):447-53.

DATA

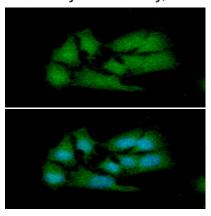
Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PCBP1 antibody (1:500). 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.: K562 cell lysate Lane 4.: 293T cell lysate Lane 5.: Jurkat cell lysate Lane 6.: MCF7 cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)



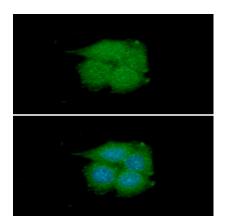
ICC/IF analysis of PCBP1 in HeLa cells. The cell was stained with ATGA0284 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



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ICC/IF analysis of PCBP1 in MCF-7 cells. The cell was stained with ATGA0284 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

