

# Human CNBP antibody

Catalog Number: ATGA0262

## PRODUCT INFORMATION

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**Catalog number**

ATGA0262

**Clone No.**

AT38F10

**Product type**

Monoclonal Antibody

**UnitProt No.**

P62633

**NCBI Accession No.**

NP\_001120668

**Alternative Names**

Cellular nucleic acid-binding protein, CNBP1, DM2, PROMM, RNF163, ZCCHC22, ZNF9

## PRODUCT SPECIFICATION

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**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 CNBP (1-170aa) purified from E. coli

**Isotype**

IgG2b kappa

**Purification Note**

By protein-A affinity chromatography

**Application**

ELISA, WB, FACS, ICC/IF

**Usage**

The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1:1000. Recommended starting dilution is 1:1000.

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## Storage

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

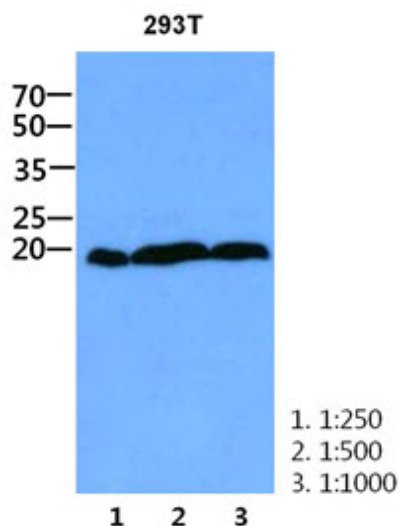
CNBP is a nucleic-acid binding protein with seven zinc-finger domains. The protein has a preference for binding single stranded DNA and RNA. It functions in cap-independent translation of ornithine decarboxylase mRNA, and may also function in sterol-mediated transcriptional regulation. A CCTG expansion in the first intron of this gene results in myotonic dystrophy type 2.

### General References

McGrath CF, Buckman JS, et al. (2003). *J Virol.* 77(15):8524-31.

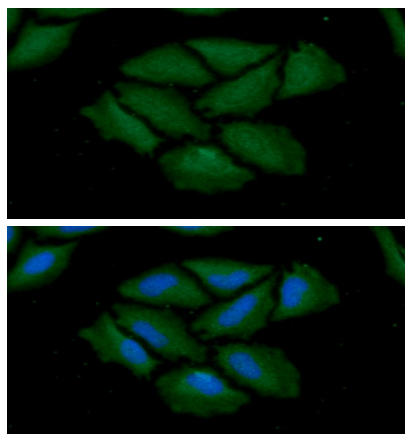
## DATA

### Western blot analysis (WB)



The cell lysate of 293T (30ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CNBP antibody (1:250 - 1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

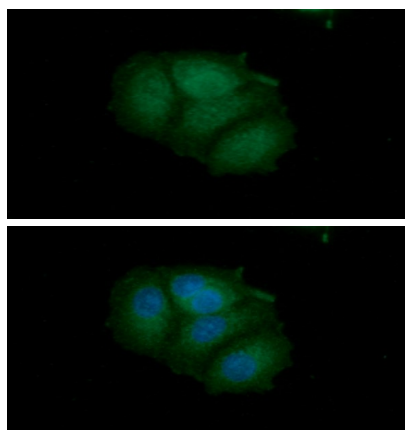
### Immunocytochemistry/Immunofluorescence (ICC/IF)



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

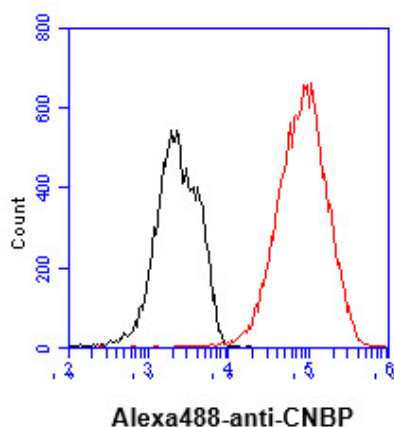
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ICC/IF analysis of CNBP in MCF7 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CNBP antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

### Flow cytometry (FACS)



Flow cytometry analysis of CNBP in MCF7 cell line, staining at 2-5ug for 1x10<sup>6</sup>cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate. Isotype control antibody was mouse IgG (black line).