

Human CINP antibody

Catalog Number: ATGA0448

PRODUCT INFORMATION

Catalog number

ATGA0448

Clone No.

AT1G10

Product type

Monoclonal Antibody

UnitProt No.

Q9BW66

NCBI Accession No.

NP_116019

Alternative Names

Cyclin-dependent kinase 2-interacting protein, CDK2-interacting protein

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 CINP (1-212aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB

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.

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

CINP, also known as Cyclin-dependent kinase 2-interacting protein, belongs to the CINP family. This protein interacts with the components of the replication complex and 2 kinases, CDK2 and CDC7, thereby providing a functional and physical link between CDK2 and CDC7 during firing of the origins of replication.

General References

Grishina I., et al. (2005) Cell Cycle. 4: 1120-1126.

Lovejoy C.A., et al. (2009) Proc. Natl. Acad. Sci. U.S.A. 106: 19304-19309.

DATA

Western blot analysis (WB)



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

Lane 1.: Jurkat cell lysate

Lane 2.: K562 cell lysate

Lane 3.: 293T cell lysate

Lane 4.: HepG2 cell lysate

Lane 5.: A549 cell lysate

Lane 6.: MCF7 cell lysate

Lane 7.: LnCap cell lysate

Lane 8.: HeLa cell lysate

Lane 9.: SK-OV-3 cell lysate