

Rabbit anti-Mouse CINP Polyclonal Antibody | anti-Cinp antibody

Anti-CINP Antibody

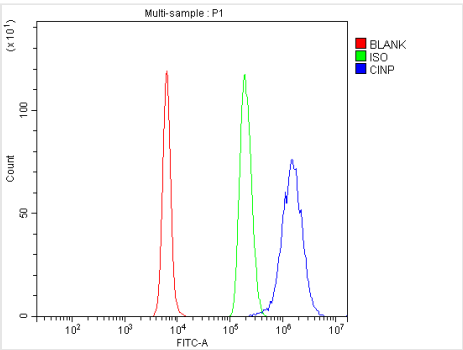
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125793	Rabbit	Mouse	Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

CINP; Polyclonal Antibody; Anti-CINP Antibody; Cinp; Cyclin-dependent kinase 2-interacting protein; cyclin-dependent kinase 2 interacting protein; anti-Cinp antibody

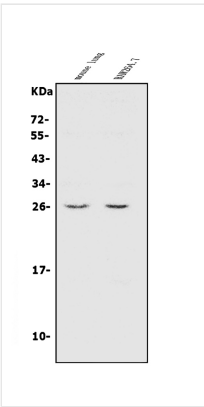
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for CINP detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.01mg NaN ₃ .
Applicable Applications for anti-Cinp antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of mouse CINP (ARKLKDNAADWHNLILKWDSL).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of RAW264. 7 cells using anti-CINP antibody (AAA125793). Overlay histogram showing RAW264. 7 cells stained with AAA125793 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CINP Antibody (AAA125793, 1μg/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10μg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1μg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of CINP using anti-CINP antibody (AAA125793). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30ug of sample under reducing conditions. Lane 1: mouse lung tissue lysates Lane 2: mouse RAW264. 7 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with rabbit anti-CINP antigen affinity purified polyclonal antibody (Catalog # AAA125793) at 0. 5 μg/mL overnight at 4 degree C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CINP at approximately 26KD. The expected band size for CINP is at 26KD.

ADDITIONAL INFORMATION

Related Product Information for anti-Cinp antibody	Cartilage intermediate layer protein 1 is a protein that in humans is encoded by the CILP gene. The protein encoded by this gene is reported to be a component of the DNA replication complex as well as a genome-maintenance protein. It may interact with proteins important for replication initiation and has been shown to bind chromatin at the G1 phase of the cell cycle and dissociate from chromatin with replication initiation. It may also serve to regulate checkpoint signaling as part of the DNA damage response. Alternative splicing results in multiple transcript variants.
References	1. Grishina, I., Lattes, B. A novel Cdk2 interactor is phosphorylated by Cdc7 and associates with components of the replication complexes. Cell Cycle 4: 1120-1126, 2005. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 4/15/2010. 3. Lovejoy, C. A., Xu, X., Bansbach, C. E., Glick, G. G., Zhao, R., Ye, F., Sirbu, B. M., Titus, L. C., Shyr, Y., Cortez, D. Functional genomic screens identify CINP as a genome maintenance protein. Proc. Nat. Acad. Sci. 106: 19304-19309, 2009.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361248
NCBI GeneID	67236
NCBI Accession #	NP_080324.1
NCBI GenBank Nucleotide #	NM_026048.4
UniProt Accession #	Q9D0V8; Q8C063; Q9D8P9
Molecular Weight	14,956 Da
NCBI Official Full Name	cyclin-dependent kinase 2-interacting protein isoform 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 2 interacting protein
NCBI Official Symbol	Cinp

NCBI Official Synonym Symbols	1810047K05Rik; 2810452K22Rik
NCBI Protein Information	cyclin-dependent kinase 2-interacting protein
UniProt Protein Name	Cyclin-dependent kinase 2-interacting protein
UniProt Gene Name	Cinp

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cinp-antibody-flow-cytometry-western-blot-elisa/125793>