

CMIP Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20244b

Specification

CMIP Antibody (C-term) - Product Information

Application WB,E
Primary Accession Q8IY22

Other Accession <u>A1L3F5</u>, <u>Q9D486</u>, <u>NP_085132.1</u>

Reactivity Human

Predicted Mouse, Xenopus

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 86331
Antigen Region 735-764

CMIP Antibody (C-term) - Additional Information

Gene ID 80790

Other Names

C-Maf-inducing protein, c-Mip, Truncated c-Maf-inducing protein, Tc-Mip, CMIP, KIAA1694, TCMIP

Target/Specificity

This CMIP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 735-764 amino acids from the C-terminal region of human CMIP.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CMIP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CMIP Antibody (C-term) - Protein Information

Name CMIP



Synonyms KIAA1694, TCMIP

Function Plays a role in T-cell signaling pathway. Isoform 2 may play a role in T-helper 2 (Th2) signaling pathway and seems to represent the first proximal signaling protein that links T-cell receptor-mediated signal to the activation of c-Maf Th2 specific factor.

Cellular Location

Nucleus. Cytoplasm. Note=Isoform 2 is translocated to the nucleus and is specifically recruited during minimal change nephrotic syndrome (MCNS) (PubMed:12939343, PubMed:15616553). Detected in nuclear and cytoplasmic compartments during MCNS relapse (PubMed:12939343, PubMed:15616553). Expressed in cytoplasm only during MCNS remission and absent in normal patients (PubMed:12939343)

Tissue Location

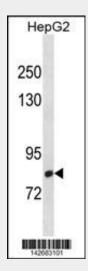
Isoform 1 is expressed in peripheral blood mononuclear cells and kidney. Lower expression in brain and liver Expression is down-regulated in activated cells. Isoform 2 is expressed in lymphocyte precursors, however, expression shuts down during maturation and differentiation in thymus and fetal liver

CMIP Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

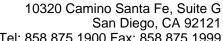
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CMIP Antibody (C-term) - Images



CMIP Antibody (C-term) (Cat. #AP20244b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the CMIP antibody detected the CMIP protein (arrow).

CMIP Antibody (C-term) - Background





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CMIP plays a role in T-cell signaling pathway. Isoform 2 may play a role in T-helper 2 (Th2) signaling pathway and seems to represent the first proximal signaling protein that links T-cell receptor-mediated signal to the activation of c-Maf Th2 specific factor.

CMIP Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Audard, V., et al. Blood 115(18):3756-3762(2010) Kamal, M., et al. FEBS Lett. 584(3):500-506(2010) Zhang, S.Y., et al. Sci Signal 3 (122), RA39 (2010): Newbury, D.F., et al. Am. J. Hum. Genet. 85(2):264-272(2009)