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CCNDBP1 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19416a

Product Information

Application	WB, E
Primary Accession	O95273
Other Accession	Q4R809, NP_036274.3
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40537
Calculated MW	40262
Antigen Region	21-49

Additional Information

Gene ID	23582
Other Names	Cyclin-D1-binding protein 1, Grap2 and cyclin-D-interacting protein, Human homolog of Maid, CCNDBP1, DIP1, GCIP, HHM
Target/Specificity	This CCNDBP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-49 amino acids from the N-terminal region of human CCNDBP1.
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	CCNDBP1 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CCNDBP1
Synonyms	DIP1, GCIP, HHM

Function	May negatively regulate cell cycle progression. May act at least in part via inhibition of the cyclin-D1/CDK4 complex, thereby preventing phosphorylation of RB1 and blocking E2F-dependent transcription.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Ubiquitously expressed. Expression is down- regulated in a variety of tumor types including breast, colon, prostate and rectal tumors, and is up-regulated in certain hepatic carcinomas

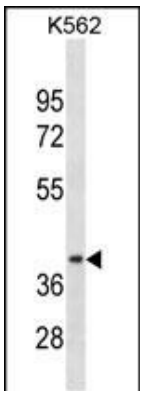
Background

This gene was identified by the interaction of its gene product with Grap2, a leukocyte-specific adaptor protein important for immune cell signaling. The protein encoded by this gene was shown to interact with cyclin D. Transfection of this gene in cells was reported to reduce the phosphorylation of Rb gene product by cyclin D-dependent protein kinase, and inhibit E2F1-mediated transcription activity. This protein was also found to interact with helix-loop-helix protein E12 and is thought to be a negative regulator of liver-specific gene expression. Several alternatively spliced variants have been found for this gene. [provided by RefSeq].

References

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Seto, A., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 65 (PT 1), 21-24 (2009) :
Ikushima, H., et al. EMBO J. 27(22):2955-2965(2008)
Chen, W.C., et al. Histopathology 53(5):554-560(2008)
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Images



CCNDBP1 Antibody (N-term)(Cat. #AP19416a) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the CCNDBP1 antibody detected the CCNDBP1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.