

**CCNDBP1 Antibody(N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP19416a****Specification**

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**CCNDBP1 Antibody(N-term) Blocking peptide - Product Information**Primary Accession [O95273](#)**CCNDBP1 Antibody(N-term) Blocking peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CCNDBP1 Antibody(N-term) Blocking peptide - 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

**CCNDBP1 Antibody(N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **CCNDBP1 Antibody(N-term) Blocking peptide - Images**

#### **CCNDBP1 Antibody(N-term) Blocking peptide - 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].

#### **CCNDBP1 Antibody(N-term) Blocking peptide - References**

Lee, I., et al. Cancer Res. 70(11):4357-4365(2010) 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) Chang, T.W., et al. Oncogene 27(3):332-338(2008)