

**CIAPIN1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17300C**

**Specification**

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**CIAPIN1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O6F181</a>
Other Accession	<a href="#">NP_064709.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33582
Antigen Region	81-108

**CIAPIN1 Antibody (Center) - Additional Information**

**Gene ID** 57019

**Other Names**

Anamorsin {ECO:0000255|HAMAP-Rule:MF\_03115}, Cytokine-induced apoptosis inhibitor 1 {ECO:0000255|HAMAP-Rule:MF\_03115}, Fe-S cluster assembly protein DRE2 homolog {ECO:0000255|HAMAP-Rule:MF\_03115}, CIAPIN1 {ECO:0000255|HAMAP-Rule:MF\_03115}

**Target/Specificity**

This CIAPIN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-108 amino acids from the Central region of human CIAPIN1.

**Dilution**

WB~~1:1000

**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**

CIAPIN1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**CIAPIN1 Antibody (Center) - Protein Information**

**Name** CIAPIN1 {ECO:0000255|HAMAP-Rule:MF\_03115}

**Function** Component of the cytosolic iron-sulfur (Fe-S) protein assembly (CIA) machinery required for the maturation of extramitochondrial Fe-S proteins. Part of an electron transfer chain functioning in an early step of cytosolic Fe-S biogenesis, facilitating the de novo assembly of a [4Fe-4S] cluster on the scaffold complex NUBP1-NUBP2. Electrons are transferred to CIAPIN1 from NADPH via the FAD- and FMN-containing protein NDOR1 (PubMed:[23596212](#)). NDOR1-CIAPIN1 are also required for the assembly of the diferric tyrosyl radical cofactor of ribonucleotide reductase (RNR), probably by providing electrons for reduction during radical cofactor maturation in the catalytic small subunit (By similarity). Has anti-apoptotic effects in the cell. Involved in negative control of cell death upon cytokine withdrawal. Promotes development of hematopoietic cells (By similarity).

#### Cellular Location

Cytoplasm {ECO:0000255|HAMAP-Rule:MF\_03115, ECO:0000269|PubMed:16957168, ECO:0000269|PubMed:29848660}. Nucleus {ECO:0000255|HAMAP-Rule:MF\_03115, ECO:0000269|PubMed:16957168} Mitochondrion intermembrane space {ECO:0000255|HAMAP-Rule:MF\_03115, ECO:0000269|PubMed:21700214}

#### Tissue Location

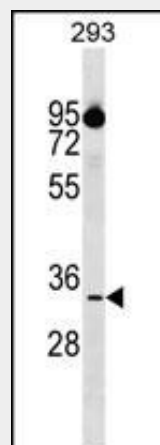
Ubiquitously expressed. Highly expressed in heart, liver and pancreas.

### CIAPIN1 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CIAPIN1 Antibody (Center) - Images



CIAPIN1 Antibody (Center) (Cat. #AP17300c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the CIAPIN1 antibody detected the CIAPIN1 protein (arrow).

### CIAPIN1 Antibody (Center) - Background

CIAPIN1 is a cytokine-induced inhibitor of apoptosis with no relation to apoptosis regulatory molecules of the BCL2 (MIM 151430) or CASP (see MIM 147678) families. Expression of CIAPIN1 is dependent on growth factor stimulation (Shibayama et al., 2004 [PubMed 14970183]).

#### **CIAPIN1 Antibody (Center) - References**

He, L., et al. Cancer Lett. 276(1):88-94(2009)  
Zhang, Y., et al. Mol. Cell. Biol. 28(18):5569-5582(2008)  
Li, X., et al. Carcinogenesis 29(8):1587-1593(2008)  
Hao, Z., et al. Int. J. Biol. Macromol. 42(1):27-32(2008)  
Li, X., et al. Mol. Biol. (Mosk.) 42(1):102-109(2008)