

**CIAPIN1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58307**

**Specification**

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**CIAPIN1 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q6F181</a>
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33582

**CIAPIN1 Polyclonal Antibody - 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}

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**CIAPIN1 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/23596212" target="\_blank">23596212</a>). 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

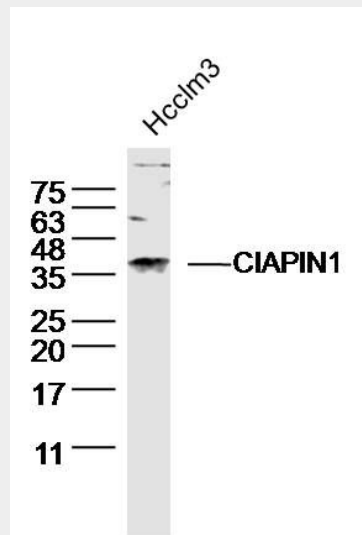
Ubiquitously expressed. Highly expressed in heart, liver and pancreas.

#### CIAPIN1 Polyclonal Antibody - Protocols

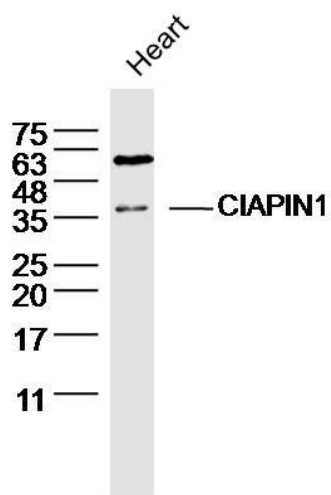
Provided below are standard protocols that you may find useful for product applications.

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

#### CIAPIN1 Polyclonal Antibody - Images



Sample: Hcclm3 (human)cell Lysate at 40 ug  
Primary: Anti- CIAPIN1(bs-5764R)at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 34kD  
Observed band size: 36 kD



Sample: Heart (mouse) Cell Lysate at 40 ug  
Primary: Anti- CIAPIN1(bs-5764R)at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 34kD  
Observed band size: 36 kD