

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

Specification

CIAPIN1 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q6FI81
Reactivity	Rat, Pig, Cow
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) with 1% BSA, 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.

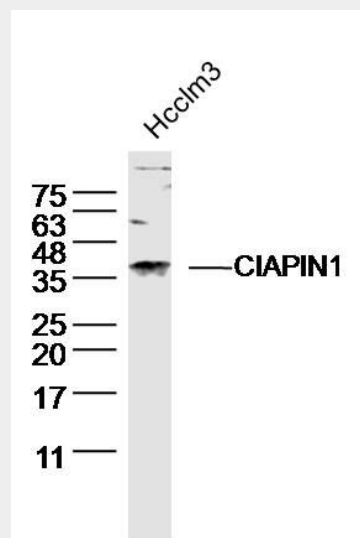
CIAPIN1 Polyclonal Antibody - Protein Information

Name CIAPIN1

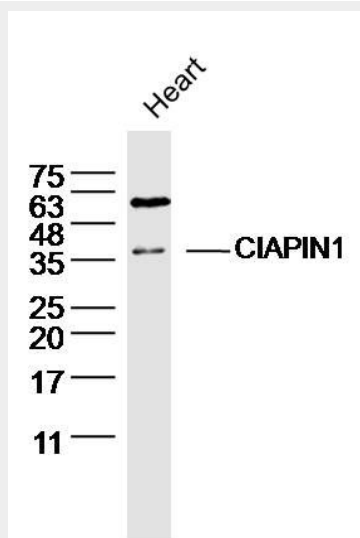
{ECO:0000255|HAMAP-Rule:MF_03115}

Function

Component of the cytosolic iron-sulfur
(Fe-S) protein assembly (CIA) machinery



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

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.

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 34kD
Observed band size: 36 kD

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](#)