10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

CIAPIN1 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	Q6FI81
Reactivity	**Rat, Pig, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**34 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human CIAPIN1**
Epitope Specificity	**51-150/312**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Cytoplasm. Nucleus.**
SIMILARITY	**Belongs to the anamorsin family.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
CIAPIN1 (Cytokine induced apoptosis inhibitor 1) expression is dependent on growth factor stimulation. Overexpression confers resistance to apoptosis caused by IL3 deprivation. It may be required during hematopoiesis to mediate antiapoptotic effects of various cytokines. It also confers multidrug resistance in gastric cancer cells by upregulating the expression of MDR1 and MRP1.

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}

Target/Specificity
Ubiquitously expressed. Highly expressed in heart, liver and pancreas.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \><span class

="dilution_IF">IF~~1:50~200<br \>E~~N/A

Storage
Store at -20 ℃ 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 ℃.

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: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.

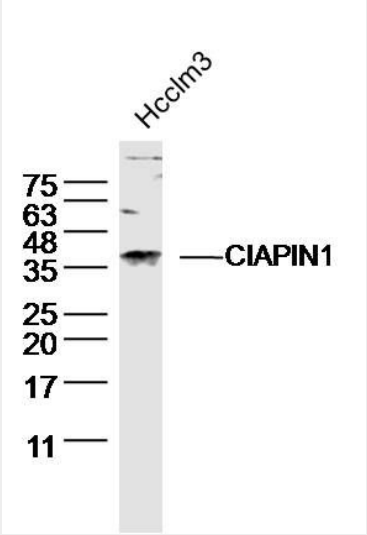
CIAPIN1 Polyclonal Antibody - Protocols

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

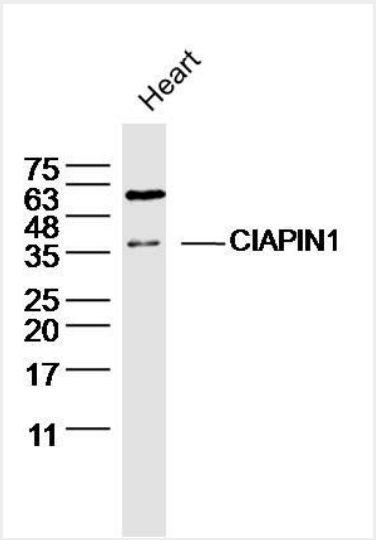
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CIAPIN1 Polyclonal Antibody - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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