

CIAPIN1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17300c**Specification**

CIAPIN1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q6FI81](#)**CIAPIN1 Antibody (Center) Blocking Peptide - 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

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.

CIAPIN1 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CIAPIN1 Antibody (Center) Blocking Peptide - Images**CIAPIN1 Antibody (Center) Blocking Peptide - Background**

CIAPIN1 is a cytokine-induced inhibitor of apoptosis with no relation to apoptosis regulatory molecules of the BCL2 (MIM151430) or CASP (see MIM 147678) families. Expression of CIAPIN1 is independent on growth factor stimulation (Shibayama et al., 2004[PubMed 14970183]).

CIAPIN1 Antibody (Center) Blocking Peptide - 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)