Anti-CPIN1 antibody

Description	Unconjugated Rabbit polyclonal to CPIN1

Model	STJ192292
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	57019
Gene Symbol	CIAPIN1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	CPIN1 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Ubiquitously expressed. Highly expressed in heart, liver and pancreas.
Purification	CPIN1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Anamorsin Cytokine-induced apoptosis inhibitor 1 Fe-S cluster assembly protein DRE2 homolog
Molecular Weight	34 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:28050OMIM:608943
Alternative Names	Anamorsin Cytokine-induced apoptosis inhibitor 1 Fe-S cluster assembly protein DRE2 homolog
Function	Has anti-apoptotic effects in the cell. Involved in negative control of cell death upon cytokine withdrawal. Promotes development of hematopoietic cells . 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. Electrons are transferred to the Fe-S cluster from NADPH via the FAD- and FMN-containing protein NDOR1.
Sequence and Domain Family	The N-terminal domain has structural similarity with S-adenosyl-L-methionine-dependent methyltransferases, but does not bind S-adenosyl-L-methionine. The C-terminal domain binds one 2Fe-2S iron-sulfur cluster but is otherwise mostly in an intrinsically disordered conformation.; The twin Cx2C motifs are involved in the recognition by the mitochondrial CHCHD4/MIA40-GFER/ERV1 disulfide relay system. The formation of 2 disulfide bonds in the Cx2C motifs through dithiol/disulfide exchange reactions effectively traps the protein in the mitochondrial intermembrane space.
Cellular Localization	Cytoplasm. Nucleus. Mitochondrion. Mitochondrion intermembrane space. Imported into mitochondria (in vitro).