Datasheet for ABIN6138964

anti-CPS1 antibody (AA 820-930)

1 Image

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Overview

Quantity:	100 µL
Target:	CPS1
Binding Specificity:	AA 820-930
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 820-930 of human CPS1 (NP_001116105.1).
Sequence:	RMCHPSIEGF TPRLPMNKEW PSNLDLRKEL SEPSSTRIYA IAKAIDDNMS LDEIEKLTYI DKWFLYKMRD ILNMEKTLKG LNSESMTEET LKRAKEIGFS DKQISKCLGL T
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

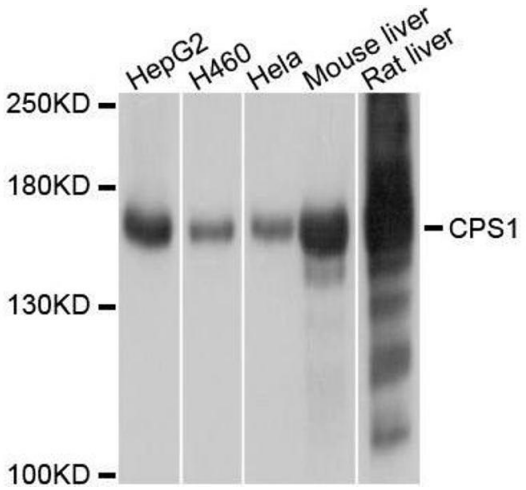
Target:	CPS1
Alternative Name:	CPS1 (CPS1 Products)
Background:	The mitochondrial enzyme encoded by this gene catalyzes synthesis of carbamoyl phosphate from ammonia and bicarbonate. This reaction is the first committed step of the urea cycle, which is important in the removal of excess urea from cells. The encoded protein may also represent a core mitochondrial nucleoid protein. Three transcript variants encoding different isoforms have been found for this gene. The shortest isoform may not be localized to the mitochondrion. Mutations in this gene have been associated with carbamoyl phosphate synthetase deficiency, susceptibility to persistent pulmonary hypertension, and susceptibility to venoocclusive disease after bone marrow transplantation.,CPS1,CPSASE1,PHN,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Amino acid metabolism,CPS1
Molecular Weight:	116 kDa/164 kDa/165 kDa
Gene ID:	1373
UniProt:	P31327
Pathways:	Response to Growth Hormone Stimulus, Cellular Glucan Metabolic Process

Application Details

Application Notes:	WB,1:1000 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CPS1 antibody.

