

Rabbit CPS1 Polyclonal Antibody | anti-CPS1 antibody

CPS1 Antibody

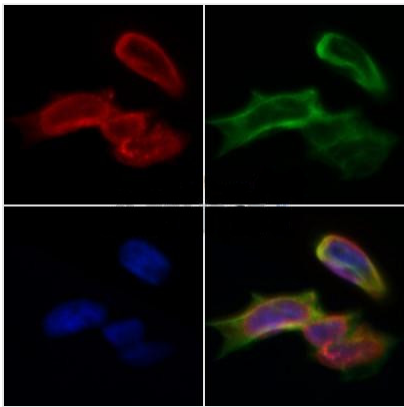
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323195	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

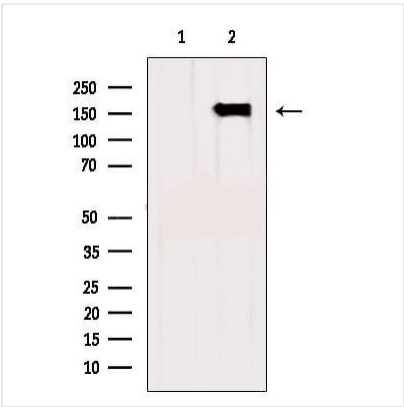
CPS1; Polyclonal Antibody; CPS1 Antibody; Carbamoyl phosphate synthase [ammonia]; Carbamoyl phosphate synthase [ammonia] mitochondrial; Carbamoyl phosphate synthase; Carbamoyl phosphate synthetase 1; Carbamoyl phosphate synthetase 1 mitochondrial; Carbamoyl phosphate synthetase I; Carbamoyl-phosphate synthase [ammonia]; Carbamoyl-phosphate synthetase I; Carbamoylphosphate synthase; Carbamoylphosphate synthetase 1; Carbamoylphosphate synthetase I; CPS 1; Cps1; CPSase 1; CPSase I; CPSASE1; CPSM_HUMAN; mitochondrial; MS738; anti-CPS1 antibody

PRODUCT SPECIFICATIONS

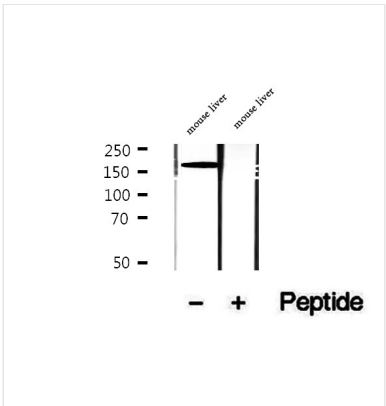
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	1506
Applicable Applications for anti-CPS1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CPS1, corresponding to a region within N-terminal amino acids.
Preparation and Storage	Store at -20 °C. Stable for 12 months from date of receipt.



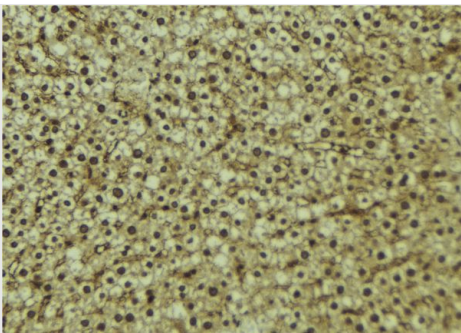
IF (Immunofluorescence)
AAA323195) staining HeLa by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA323195 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI(blue).



WB (Western Blot)
Western blot analysis of extracts from HepG2, using CPS1 Ab. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts of mouse liver tissue, using CPS1 antibody.



IHC (Immunohistochemistry)
AAA323195 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

NCBI AND UNIPROT INFORMATION

NCBI GI #	169790915
NCBI GeneID	1373
NCBI Accession #	NP_001116105.1
NCBI GenBank Nucleotide #	NM_001122633.2
UniProt Accession #	P31327; O43774; Q53TL5; Q59HF8; Q7Z5I5; B7Z818; J3KQL0
Molecular Weight	116 kDa, 165 kDa
NCBI Official Full Name	carbamoyl-phosphate synthase
NCBI Official Synonym Full Names	carbamoyl-phosphate synthase 1
NCBI Official Symbol	CPS1
NCBI Official Synonym Symbols	PHN; CPSASE1
NCBI Protein Information	carbamoyl-phosphate synthase [ammonia], mitochondrial
UniProt Protein Name	Carbamoyl-phosphate synthase [ammonia], mitochondrial

UniProt Gene Name	CPS1
UniProt Synonym Gene Names	CPSase I

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cps1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/323195>