

Anti-CPS1 antibody

Cat. No.	ml263638
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-CPS1 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human CPS1
Reactivity	Human, Mouse, Rat
Content	0.9 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	CPS1
Full name	carbamoyl-phosphate synthase 1
Synonyms	PHN; CPSASE1
Swissprot	P31327

Target Background

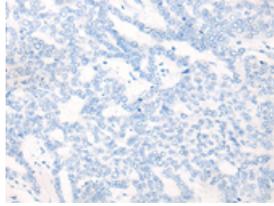
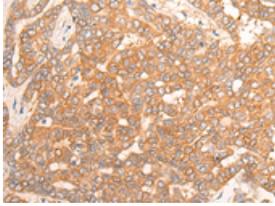
The mitochondrial enzyme encoded by this gene catalyzes synthesis of carbamoyl phosphate from ammonia and bicarbonate. This reaction is the first committed step of the urea cycle, which is important in the removal of excess urea from cells. The encoded protein may also represent a core mitochondrial 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.

订购热线: 4008-898-798

Applications

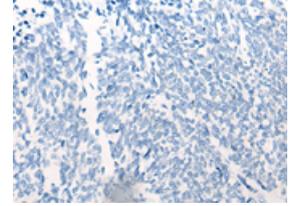
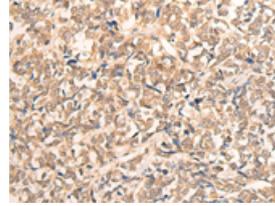
Immunohistochemistry

Predicted cell location: Cytoplasm or Nucleus
Positive control: Human liver cancer
Recommended dilution: 30-150



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml263638(CPS1 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

Predicted cell location: Cytoplasm or Nucleus
Positive control: Human lung cancer
Recommended dilution: 30-150



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml263638(CPS1 Antibody) at dilution 1/35, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

ELISA

Recommended dilution: 5000-10000

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