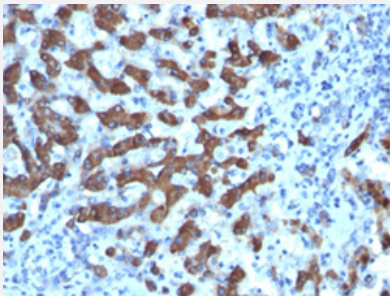


CPS1 monoclonal antibody, clone CPS1/1022

Catalog # MAB14246 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hepatocellular carcinoma with CPS1 monoclonal antibody, clone CPS1/1022 (Cat # MAB14246).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human CPS1.
Immunogen	Recombinant protein corresponding to full length human CPS1.
Host	Mouse
Theoretical MW (kDa)	~165
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1
Recommend Usage	Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.

Storage Instruction

Store at -20 to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hepatocellular carcinoma with CPS1 monoclonal antibody, clone CPS1/1022 (Cat # MAB14246).

- Immunofluorescence

Gene Info — CPS1

Entrez GeneID [1373](#)

Protein Accession# [P31327](#)

Gene Name CPS1

Gene Alias -

Gene Description carbamoyl-phosphate synthetase 1, mitochondrial

Omim ID [237300 608307](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is an enzyme that catalyzes the first committed step of the hepatic urea cycle, which is important in the removal of excess urea from cells. There are two isozymes of this enzyme, and the encoded protein is the mitochondrial form. Three transcript variants encoding different isoforms have been found for this gene. The shortest isoform may not be localized to the mitochondrion. [provided by RefSeq]

Other Designations CPSase I|carbamoyl-phosphate synthetase 1|carbamoylphosphate synthetase I

Pathway

- [Alanine](#)
- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)

- [Nitrogen metabolism](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Down Syndrome](#)
- [Edema](#)
- [Enterocolitis](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Postoperative Complications](#)
- [Premature Birth](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)