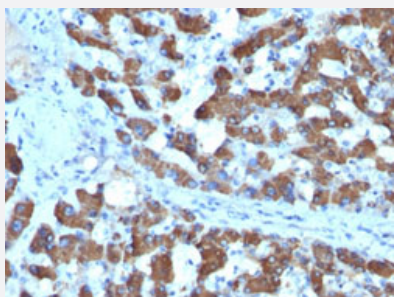


# CPS1 monoclonal antibody, clone SPM615

Catalog # MAB13061      Size 100 ug

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hepatocellular carcinoma using CPS1 monoclonal antibody, clone SPM615 (Cat # MAB13061).

## 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 using CPS1 monoclonal antibody, clone SPM615 (Cat # MAB13061).

- 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](#)