

# KD-Validated Anti-Carbamoyl-phosphate synthase 1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1107

## Product Information

|                          |                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Application</b>       | WB, ICC                                                                                                                                                                                                                                                                                                                                            |
| <b>Primary Accession</b> | <a href="#">P31327</a>                                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>        | Human                                                                                                                                                                                                                                                                                                                                              |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                                                                                                                                                                                                                         |
| <b>Clone Names</b>       | 23GB 2365                                                                                                                                                                                                                                                                                                                                          |
| <b>Calculated MW</b>     | 164939                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>         | CPS1                                                                                                                                                                                                                                                                                                                                               |
| <b>Aliases</b>           | CPS1; Carbamoyl-Phosphate Synthase 1; GATD6; Carbamoyl-Phosphate Synthase [Ammonia], Mitochondrial; Carbamoyl-Phosphate Synthase 1, Mitochondrial; Carbamoyl-Phosphate Synthase (Ammonia); EC 6.3.4.16; Carbamoyl-Phosphate Synthetase 1, Mitochondrial; Carbamoyl-Phosphate Synthetase I; Carbamoylphosphate Synthetase I; CPSase I; CPSASE1; PHN |
| <b>Immunogen</b>         | A synthesized peptide derived from human CPS1                                                                                                                                                                                                                                                                                                      |

## Additional Information

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|--------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 1373                                                                                                              |
| <b>Other Names</b> | Carbamoyl-phosphate synthase [ammonia], mitochondrial, 6.3.4.16, Carbamoyl-phosphate synthetase I, CPSase I, CPS1 |

## Protein Information

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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | CPS1                                                                                                                                                                                                                                             |
| <b>Function</b>          | Involved in the urea cycle of ureotelic animals where the enzyme plays an important role in removing excess ammonia from the cell.                                                                                                               |
| <b>Cellular Location</b> | Mitochondrion. Nucleus, nucleolus. Cell membrane {ECO:0000250 UniProtKB:Q8C196}; Peripheral membrane protein; Extracellular side {ECO:0000250 UniProtKB:Q8C196} Note=Localizes to the cell surface of hepatocytes {ECO:0000250 UniProtKB:Q8C196} |
| <b>Tissue Location</b>   | Primarily in the liver and small intestine.                                                                                                                                                                                                      |

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