

# Anti-CPS1 Monoclonal Antibody

Catalog # ABO14723

## Product Information

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|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IP                                                                                                        |
| <b>Primary Accession</b> | <a href="#">P31327</a>                                                                                                      |
| <b>Host</b>              | Rabbit                                                                                                                      |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                  |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                           |
| <b>Clonality</b>         | Monoclonal                                                                                                                  |
| <b>Format</b>            | Liquid                                                                                                                      |
| <b>Description</b>       | Anti-CPS1 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications.<br>This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                         | 1373                                                                                                                                       |
| <b>Other Names</b>                     | Carbamoyl-phosphate synthase [ammonia], mitochondrial, 6.3.4.16,<br>Carbamoyl-phosphate synthetase I, CPSase I, CPS1                       |
| <b>Calculated MW</b>                   | 164939                                                                                                                                     |
| <b>Application Details</b>             | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50                                                                          |
| <b>Source</b>                          | Eukaryota                                                                                                                                  |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: AFCG-3<br>A synthesized peptide derived from human CPS1                                                                             |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>                         | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## 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. |

**Cellular Location**

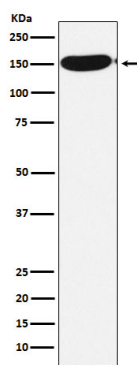
Mitochondrion. Nucleus, nucleolus. Cell membrane {ECO:0000250|UniProtKB:Q8C196}; Peripheral membrane protein; Extracellular side {ECO:0000250|UniProtKB:Q8C196} Note=Localizes to the cell surface of hepatocytes {ECO:0000250|UniProtKB:Q8C196}

**Tissue Location**

Primarily in the liver and small intestine.

**Images**

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Western blot analysis of CPS1 expression in HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.