

# Anti-PPCS Rabbit Monoclonal Antibody

Catalog # ABO16379

## Product Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC                                                                                                |
| <b>Primary Accession</b> | <a href="#">Q9HAB8</a>                                                                                          |
| <b>Host</b>              | Rabbit                                                                                                          |
| <b>Isotype</b>           | IgG                                                                                                             |
| <b>Reactivity</b>        | Human                                                                                                           |
| <b>Clonality</b>         | Monoclonal                                                                                                      |
| <b>Format</b>            | Liquid                                                                                                          |
| <b>Description</b>       | Anti-PPCS Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human. |

## Additional Information

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|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                         | 79717                                                                                                                                      |
| <b>Other Names</b>                     | Phosphopantothenate--cysteine ligase, 6.3.2.51,<br>Phosphopantothenoylcysteine synthetase, PPC synthetase, PPCS, COAB                      |
| <b>Calculated MW</b>                   | 34005                                                                                                                                      |
| <b>Application Details</b>             | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200                                                                                     |
| <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: 29P15<br>A synthesized peptide derived from human PPCS                                                                              |
| <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

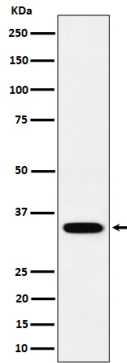
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|-----------------|--------------------------------------------------------------------------|
| <b>Name</b>     | PPCS                                                                     |
| <b>Synonyms</b> | COAB                                                                     |
| <b>Function</b> | Catalyzes the second step in the biosynthesis of coenzyme A from vitamin |

B5, where cysteine is conjugated to 4'-phosphopantothenate to form 4-phosphopantothienoylcysteine (PubMed:[11923312](#), PubMed:[12906824](#), PubMed:[29754768](#)). Has a preference for ATP over CTP as a cosubstrate (PubMed:[11923312](#)).

## Images

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Western blot analysis of PPCS expression in SH-SY5Y cell lysate.

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