

# Uridine Phosphorylase 1 Rabbit pAb

Catalog # AP98409

## Product Information

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| <b>Application</b>             | IHC-P, IHC-F, IF, E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Primary Accession</b>       | <a href="#">P52624</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Other Accession</b>         | <a href="#">P52624</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Clonality</b>               | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Calculated MW</b>           | 34086                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Physical State</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>               | KLH conjugated synthetic peptide derived from mouse Uridine Phosphorylase 1                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Epitope Specificity</b>     | 71-170/310                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>                  | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Buffer</b>                  | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>SIMILARITY</b>              | Belongs to the PNP/UDP phosphorylase family.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>SUBUNIT</b>                 | Homodimer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Important Note</b>          | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Background Descriptions</b> | The 2 known types of pyrimidine nucleoside phosphorylases, uridine phosphorylase (UP; EC 2.4.2.3) and thymidine phosphorylase (TP; EC 2.4.2.4), in the presence of orthophosphate, catalyze the reversible phosphorolysis of uridine and thymidine or deoxyuridine, respectively, to free bases and ribose-1-phosphate or deoxyribose-1-phosphate. Pyrimidine nucleoside phosphorylases can add ribose or deoxyribose to pyrimidine bases to form nucleosides that can be incorporated into RNA or DNA |

## Additional Information

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| <b>Gene ID</b>     | 22271                                                                                                                                                                                           |
| <b>Other Names</b> | UDRPASE; UP; UPASE; UPP; UPP1_HUMAN; UPP1; UPase 1; UrdPase 1; 2.4.2.3; UPP1_MOUSE;                                                                                                             |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000                                                                                                                                 |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| <b>Name</b> | Upp1 {ECO:0000312 MGI:MGI:1097668} |
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**Synonyms**

Up, Upp

**Function**

Catalyzes the reversible phosphorylytic cleavage of uridine to uracil and ribose-1-phosphate which can then be utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis (PubMed:[12077348](#), PubMed:[15772079](#), PubMed:[7744869](#)). Shows broad substrate specificity and can also accept deoxyuridine and other analogous compounds (PubMed:[12077348](#), PubMed:[7744869](#)).

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