SunLong Biotech Co.,LTD
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**[ Primary Antibody ]**

# Rabbit Anti-Uridine Phosphorylase 1 antibody

**Catalog Number: SL6288R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | Uridine Phosphorylase 1 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from mouse Uridine Phosphorylase 1: 71-170/310 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | IHC-P=1:100-500<br>IHC-F=1:100-500<br>IF=1:100-500<br>ELISA=1:5000-10000 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | (predicted: Human, Mouse, Rat, Chicken, Rabbit) |
| **Predicted MW.:** | 34 kDa |
| **Subcellular Location:** | The nucleus cytoplasmic |
| **Background:** | 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<br>**Function:** Catalyzes the reversible phosphorylytic cleavage of uridine and deoxyuridine to uracil and ribose- or deoxyribose-1-phosphate. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis. |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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| | **Subunit:** Homodimer.<br>**Similarity:** Belongs to the PNP/UDP phosphorylase family.<br>**Database links:**<br>**Entrez Gene:** 7378 Human<br>**Entrez Gene:** 22271 Mouse<br>**Entrez Gene:** 289801 Rat<br>Omim: 191730 Human<br>**SwissProt:** Q16831 Human<br>**SwissProt:** P52624 Mouse<br>**Unigene:** 488240 Human<br>**Unigene:** 4610 Mouse<br>**Unigene:** 101932 Rat |

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