



Rabbit Anti-Uridine Phosphorylase 1 antibody

SL6288R

Product Name:	Uridine Phosphorylase 1
Chinese Name:	尿嘧啶核苷磷酸化酶1抗体
Alias:	UPase 1; UPP1; UPP 1; UPP-1; UrdPase 1; UPP1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	34 kDa
Cellular localization:	The nucleocytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human UPP1/Uridine Phosphorylase 1:71-170/310
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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

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.

Subunit:

Homodimer.

Similarity:

Belongs to the PNP/UDP phosphorylase family.

SWISS:

Q16831

Gene ID:

7378

Database links:

[Entrez Gene: 7378](#)Human

[Entrez Gene: 22271](#)Mouse

[Entrez Gene: 289801](#)Rat

[Omim: 191730](#)Human

[SwissProt: Q16831](#)Human

[SwissProt: P52624](#)Mouse

[Unigene: 488240](#)Human

[Unigene: 4610](#)Mouse

[Unigene: 101932](#)Rat

Important Note:

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