

Rabbit Anti-Uridine Phosphorylase 1/Cy5 Conjugated antibody

SL6288R-Cy5

Product Name	Anti-Uridine Phosphorylase 1/Cy5
Chinese Name	Cy5 标记的尿嘧啶核苷磷酸化酶 1 抗体
Alias	UPase 1; UPP1; UPP 1; UPP-1; UrdPase 1; UPP1_HUMAN.
Research Area	Tumour Cell biology Signal transduction TumourCell biologyMaker Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Chicken,Rabbit) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	34 kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human UPP1/Uridine Phosphorylase 1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	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

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.

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.