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Uridine Phosphorylase 1 Rabbit pAb

Catalog # AP98409

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P52624
Other Accession	P52624
Predicted	Rat, Human, Mouse, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34086
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse Uridine Phosphorylase 1
Epitope Specificity	71-170/310
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the PNP/UDP phosphorylase family.
SUBUNIT	Homodimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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

Gene ID	22271
Other Names	UDRPASE; UP; UPASE; UPP; UPP1_HUMAN; UPP1; UPase 1; UrdPase 1; 2.4.2.3; UPP1_MOUSE;
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	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

Name	Upp1 {ECO:0000312|MGI:MGI:1097668}
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'.