

Product datasheet for **CF812317**

UPP2 Mouse Monoclonal Antibody [Clone ID: OTI10A3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI10A3
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human UPP2 (NP_775491) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35.3 kDa
Gene Name:	uridine phosphorylase 2
Database Link:	NP_775491 Entrez Gene 76654 Mouse Entrez Gene 295620 Rat Entrez Gene 151531 Human O95045



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Background:

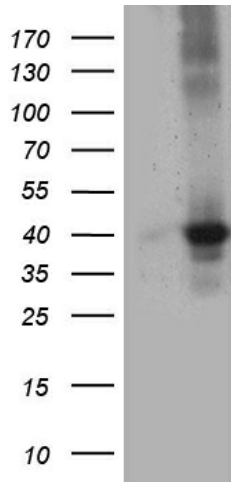
Catalyzes the reversible phosphorylytic cleavage of uridine and deoxyuridine to uracil and ribose- or deoxyribose-1-phosphate. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis. Shows substrate specificity and accept uridine, deoxyuridine, and thymidine as well as the two pyrimidine nucleoside analogs 5-fluorouridine and 5-fluoro-2(')-deoxyuridine as substrates. [UniProtKB/Swiss-Prot Function]

Synonyms:

UDRPASE2; UP2; UPASE2

Protein Pathways:

Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism

Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY UPP2 ([RC207260], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UPP2. Positive lysates [LY406610] (100ug) and [LC406610] (20ug) can be purchased separately from OriGene.