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UPP2 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP10995b

Specification

UPP2 Antibody (C-term) Blocking peptide - Product Information

Primary Accession O95045

UPP2 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 151531

Other Names
Uridine phosphorylase 2, UPase 2, UrdPase 2, UPP2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

UPP2 Antibody (C-term) Blocking peptide - Protein Information

Name UPP2 (HGNC:23061)

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:12849978, PubMed:21855639). Shows broad substrate specificity and can also accept deoxyuridine and other analogous compounds (PubMed:12849978).

Tissue Location
Predominantly expressed in kidney.

UPP2 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

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UPP2 Antibody (C-term) Blocking peptide - Images

UPP2 Antibody (C-term) Blocking peptide - 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.

UPP2 Antibody (C-term) Blocking peptide - References

Maestrini, E., et al. Mol. Psychiatry 15(9):954-968(2010)Lamesch, P., et al. Genomics 89(3):307-315(2007)Johansson, M. Biochem. Biophys. Res. Commun. 307(1):41-46(2003)Russell, R.L., et al. J. Biol. Chem. 276(16):13302-13307(2001)