

UCK1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18359b**Specification**

UCK1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9HA47](#)**UCK1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 83549**Other Names**

Uridine-cytidine kinase 1, UCK 1, Cytidine monophosphokinase 1, Uridine monophosphokinase 1, UCK1, URK1

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.

UCK1 Antibody (C-term) Blocking Peptide - Protein Information**Name** UCK1**Synonyms** URK1**Function**

Phosphorylates uridine and cytidine to uridine monophosphate and cytidine monophosphate (PubMed:11306702). Does not phosphorylate deoxyribonucleosides or purine ribonucleosides (PubMed:11306702). Can use ATP or GTP as a phosphate donor (PubMed:11306702). Can also phosphorylate cytidine and uridine nucleoside analogs such as 6- azauridine, 5-fluorouridine, 4-thiouridine, 5-bromouridine, N(4)- acetylcytidine, N(4)-benzoylcytidine, 5-fluorocytidine, 2-thiocytidine, 5-methylcytidine, and N(4)-anisoylcytidine (PubMed:11306702).

Tissue Location

Ubiquitous..

UCK1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

UCK1 Antibody (C-term) Blocking Peptide - Images

UCK1 Antibody (C-term) Blocking Peptide - Background

Uridine/cytidine kinase-1 (EC 2.7.1.48) is a pyrimidineribonucleoside kinase that catalyzes the phosphorylation of uridineand cytidine to form uridine monophosphate (UMP) and cytidinemonophosphate (CMP) (Van Rompay et al., 2001 [PubMed11306702]).

UCK1 Antibody (C-term) Blocking Peptide - References

Virovic Jukic, L., et al. J. Biomed. Sci. 15(2):205-213(2008)Humphray, S.J., et al. Nature 429(6990):369-374(2004)Van Rompay, A.R., et al. Mol. Pharmacol. 59(5):1181-1186(2001)