

UCK1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18359b**Specification**

UCK1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9HA47
Other Accession	O4R4K2 , NP_113620.1
Reactivity	Human, Mouse
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31435
Antigen Region	231-260

UCK1 Antibody (C-term) - Additional Information**Gene ID** 83549**Other Names**

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

Target/Specificity

This UCK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 231-260 amino acids from the C-terminal region of human UCK1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

UCK1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UCK1 Antibody (C-term) - 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

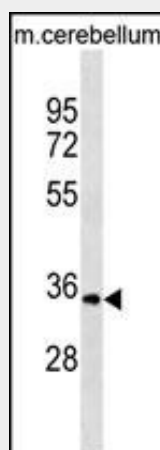
Ubiquitous..

UCK1 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UCK1 Antibody (C-term) - Images



UCK1 Antibody (C-term) (Cat. #AP18359b) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the UCK1 Antibody detected the UCK1 protein (arrow).

UCK1 Antibody (C-term) - Background

Uridine/cytidine kinase-1 (EC 2.7.1.48) is a pyrimidine ribonucleoside kinase that catalyzes the phosphorylation of uridine and cytidine to form uridine monophosphate (UMP) and cytidine monophosphate (CMP) (Van Rompay et al., 2001 [PubMed [11306702](#)]).

UCK1 Antibody (C-term) - 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)