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UCK1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18359b

Product Information

Application	WB, E
Primary Accession	Q9HA47
Other Accession	Q4R4K2, NP_113620.1
Reactivity	Human, Mouse
Predicted	Monkey, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37584
Calculated MW	31435
Antigen Region	231-260

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.

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..

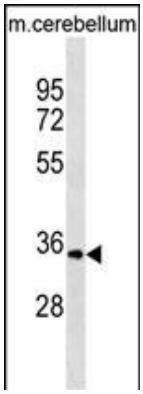
Background

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]).

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)

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.