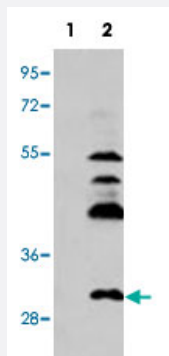


UCK2 polyclonal antibody

Catalog # PAB2755

Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of UCK2 (arrow) using UCK2 polyclonal antibody (Cat # PAB2755).

293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the UCK2 gene (Lane 2).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of UCK2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human UCK2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of UCK2 (arrow) using UCK2 polyclonal antibody (Cat # PAB2755).
293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the UCK2 gene (Lane 2).

- Immunohistochemistry

Gene Info — UCK2

Entrez GeneID	7371
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Protein Accession#	NP_036606.Q9BZX2
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Gene Name	UCK2
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Gene Alias	TSA903, UK, UMPK
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Gene Description	uridine-cytidine kinase 2
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Omim ID	609329
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Gene Ontology	Hyperlink
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Gene Summary	The protein encoded by this gene catalyzes the phosphorylation of uridine monophosphate to uridine diphosphate. This is the first step in the production of the pyrimidine nucleoside triphosphates required for RNA and DNA synthesis. In addition, an allele of this gene may play a role in mediating nonhumoral immunity to Hemophilus influenzae type B. [provided by RefSeq]
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Other Designations	OTTHUMP00000038005 uridine kinase uridine monophosphate kinase
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Publication Reference

- [A crucial role of uridine/cytidine kinase 2 in antitumor activity of 3'-ethynyl nucleosides.](#)

Murata D, Endo Y, Obata T, Sakamoto K, Syouji Y, Kadohira M, Matsuda A, Sasaki T.
Drug Metabolism and Disposition 2004 Oct; 32(10):1178.

Application: WB-Ce, Human, HT-1080 cells

- [Reaction of human UMP-CMP kinase with natural and analog substrates.](#)

Pasti C, Gallois-Montbrun S, Munier-Lehmann H, Veron M, Gilles AM, Deville-Bonne D.

European Journal of Biochemistry 2003 Apr; 270(8):1784.

- [Characterization of human UMP/CMP kinase and its phosphorylation of D- and L-form deoxycytidine analogue monophosphates.](#)

Liou JY, Dutschman GE, Lam W, Jiang Z, Cheng YC.

Cancer Research 2002 Mar; 62(6):1624.

Application: IF, WB, Human, HeLa cells

Pathway

- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Pyrimidine metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Osteoporosis](#)