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UCK2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7192a

Specification

UCK2 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9BZX2
Other Accession	Q9QYG8, Q99PM9
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**29299**
Antigen Region	**1-30**

UCK2 Antibody (N-term) - Additional Information

Gene ID 7371

Other Names
Uridine-cytidine kinase 2, UCK 2, Cytidine monophosphokinase 2, Testis-specific protein TSA903, Uridine monophosphokinase 2, UCK2, UMPK

Target/Specificity
This UCK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human UCK2.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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
UCK2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UCK2 Antibody (N-term) - Protein Information

Name UCK2

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Synonyms UMPK

Function Phosphorylates uridine and cytidine to uridine monophosphate and cytidine monophosphate (PubMed:11306702, PubMed:11494055). 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).

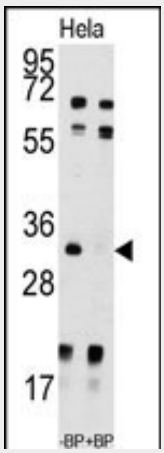
Tissue Location
According to PubMed:8812458; testis-specific. According to PubMed:11306702, placenta-specific

UCK2 Antibody (N-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 Cytomety
- Cell Culture

UCK2 Antibody (N-term) - Images



Western blot analysis of anti-UCK2 Antibody (N-term)(Cat.#AP7192a) pre-incubated with and without blocking peptide (BP7192a) in Hela cell line lysate. UCK2(arrow) was detected using the purified Pab.

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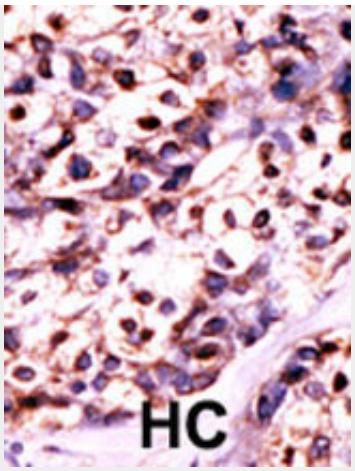

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

UCK2 Antibody (N-term) - Background

UCK2 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.

UCK2 Antibody (N-term) - References

Murata, D., et al., Drug Metab. Dispos. 32(10):1178-1182 (2004).
Pasti, C., et al., Eur. J. Biochem. 270(8):1784-1790 (2003).
Liou, J.Y., et al., Cancer Res. 62(6):1624-1631 (2002).
Pearman, A.T., et al., Life Sci. 69(20):2361-2370 (2001).
Van Rompay, A.R., et al., Mol. Pharmacol. 56(3):562-569 (1999).