

Datasheet for ABIN392730
anti-UCK antibody (N-Term)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	UCK
Binding Specificity:	AA 18-48, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UCK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This UCK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 18-48 amino acids from the N-terminal region of human UCK.
Clone:	RB3874
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pig, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	UCK
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Target Details

Alternative Name:	UCK (UCK Products)
Background:	UCK1 (Uridine-cytidine kinase 1) phosphorylates uridine and cytidine to uridine monophosphate and cytidine monophosphate. This enzyme does not phosphorylate deoxyribonucleosides or purine ribonucleosides. Of note, UCK1 is able to use either ATP or GTP as a phosphate donor. UCK1 also possesses the ability to phosphorylate a number of 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.
Molecular Weight:	22222
Gene ID:	51727
NCBI Accession:	NP_001129612 , NP_057392
UniProt:	P30085
Pathways:	Nucleotide Phosphorylation

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

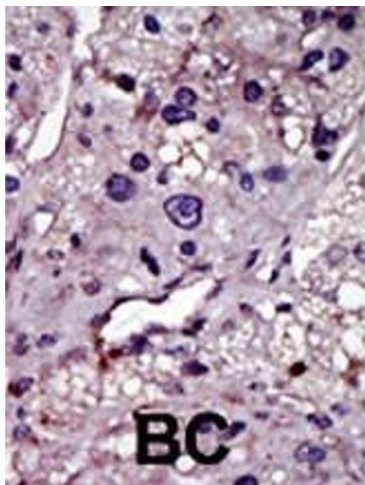
Publications

Product cited in:	Wang, Luo, Che, Li, Gao, Yang, Zhou, Gao, Wang, Liang, Zhang: "Placental protein 14 as a
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potential biomarker for diagnosis of preterm premature rupture of membranes." in: **Molecular medicine reports**, Vol. 18, Issue 1, pp. 113-122, (2018) ([PubMed](#)).

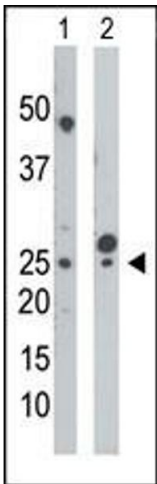
Zhang, Abudula, Awuti, Wang, Aihemaiti, Tusung, Sulaiman, Upur: "Plasma proteins as potential targets of abnormal Savda syndrome in asthma patients treated with unique Uighur prescription." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 1, pp. 267-275, (2017) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. The anti-UCK Pab (ABIN392730 and ABIN2842193) is used in Western blot to detect UCK in mouse cerebellum tissue lysate (Lane 1) and HepG2 cell lysate (Lane 2).