

For Research Use Only

# UCK2 Polyclonal antibody

Catalog Number: 10511-1-AP

Featured Product

17 Publications



## Basic Information

### Catalog Number:

10511-1-AP

### Size:

150ul, Concentration: 850 ug/ml by Nanodrop and 547 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0782

### GenBank Accession Number:

BC002906

### GeneID (NCBI):

7371

### UNIPROT ID:

Q9BZX2

### Full Name:

uridine-cytidine kinase 2

### Calculated MW:

29 kDa

### Observed MW:

33-35 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human, mouse

### Positive Controls:

WB: Jurkat cells,

IP: Jurkat cells,

## Background Information

Uridine-cytidine kinase 2 catalyzes the phosphorylation of uridine and cytidine to uridine monophosphate (UMP) and cytidine monophosphate (CMP), respectively. This is the first step in the production of the pyrimidine nucleoside triphosphates required for RNA and DNA synthesis. UCK2 belongs to the uridine kinase family and UCK have important roles for the phosphorylation of nucleoside analogs that may be important in chemotherapy of cancer.

## Notable Publications

Author	Pubmed ID	Journal	Application
Qiming Zhou	30568496	Cancer Manag Res	WB, IHC
Aristeidis E Boukouris	35294884	Cell Rep	WB
Motohiko Murase	26977297	Pharmacol Res Perspect	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

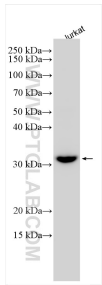
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

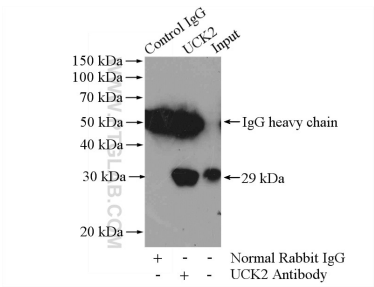
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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 10511-1-AP (UCK2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-UCK2 (IP:10511-1-AP, 4ug; Detection:10511-1-AP 1:500) with Jurkat cells lysate 4000ug.