

For Research Use Only

UCK2 Polyclonal antibody

Catalog Number: 10511-1-AP

Featured Product

17 Publications



Basic Information

Catalog Number:

10511-1-AP

Concentration:

850 ug/ml

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

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

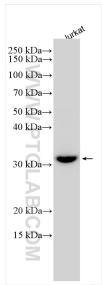
T: 4006900926

E: Proteintech-CN@ptglab.com

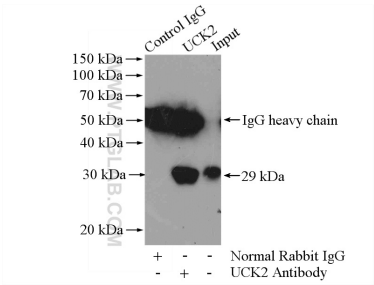
W: ptgcn.com

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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.