

For Research Use Only

UCK1 Polyclonal antibody

Catalog Number: 12271-1-AP

4 Publications



Basic Information

Catalog Number:

12271-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2912

GenBank Accession Number:

BC015547

GeneID (NCBI):

83549

UNIPROT ID:

Q9HA47

Full Name:

uridine-cytidine kinase 1

Calculated MW:

277 aa, 31 kDa

Observed MW:

33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : HEK-293T cells, MCF-7 cells

IP : MCF-7 cells,

IF/ICC : MCF-7 cells,

Background Information

Uridine/cytidine kinase-1 is a pyrimidine ribonucleoside kinase that catalyzes the phosphorylation of uridine and cytidine to form uridine monophosphate (UMP) and cytidine monophosphate (CMP). The deduced 277-amino acid protein has a calculated molecular mass of 31 kDa. UCK1 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
Nao Yoshida-Sakai	34913485	Int J Cancer	WB
Nannan Sha	39865175	Oncogene	WB
Minwoo Nam	39592843	Nat Metab	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

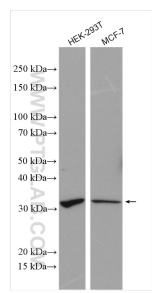
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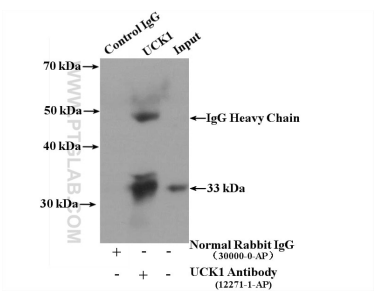
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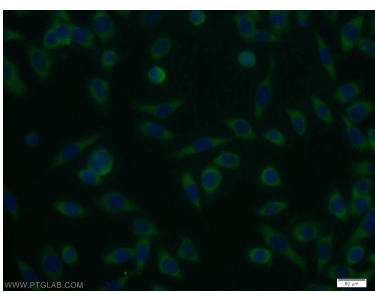
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12271-1-AP (UCK1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-UCK1 (IP:12271-1-AP, 4ug; Detection:12271-1-AP 1:1000) with MCF-7 cells lysate 2800ug.



Immunofluorescent analysis of MCF-7 cells using 12271-1-AP (UCK1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).