

For Research Use Only

UCK1 Polyclonal antibody

Catalog Number: 12271-1-AP **2 Publications**



Basic Information

Catalog Number: 12271-1-AP	GenBank Accession Number: BC015547	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 83549	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q9HA47	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: uridine-cytidine kinase 1	IF 1:10-1:100
Immunogen Catalog Number: AG2912	Calculated MW: 277 aa, 31 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications: IF/ICC, IP, WB, ELISA	Positive Controls: WB : HEK-293T cells, MCF-7 cells
Cited Applications: WB	IP : MCF-7 cells,
Species Specificity: human, mouse, rat	IF : MCF-7 cells,
Cited Species: human, mouse	

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
Tatsuro Watanabe	38190613	Blood Adv	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:

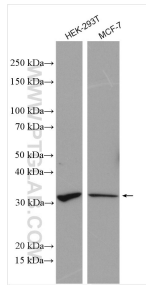
T: 4006900926

E: Proteintech-CN@ptglab.com

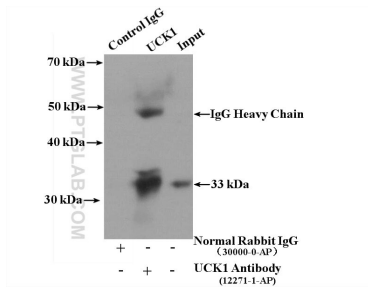
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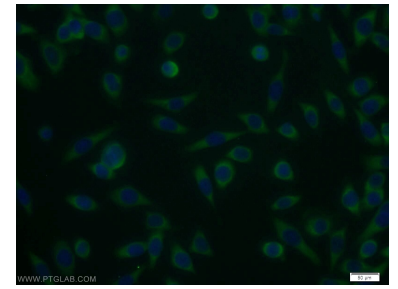
Selected Validation Data



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, 4 μ g; Detection:12271-1-AP 1:1000) with MCF-7 cells lysate 2800 μ g.



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