

Product datasheet for **CF501542**

UCK (UCK1) Mouse Monoclonal Antibody [Clone ID: OTI1A12]

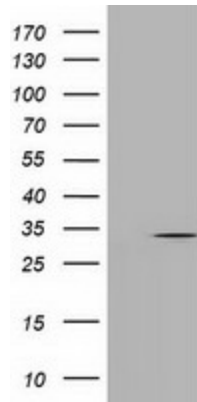
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1A12
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human UCK1 (NP_113620) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	31.3 kDa
Gene Name:	uridine-cytidine kinase 1
Database Link:	NP_113620 Entrez Gene 83549 Human Q9HA47
Background:	Uridine/cytidine kinase-1 (EC 2.7.1.48) is a pyrimidine ribonucleoside kinase that catalyzes the phosphorylation of uridine and cytidine to form uridine monophosphate (UMP) and cytidine monophosphate (CMP) (Van Rompay et al., 2001 [PubMed 11306702]). [supplied by OMIM]

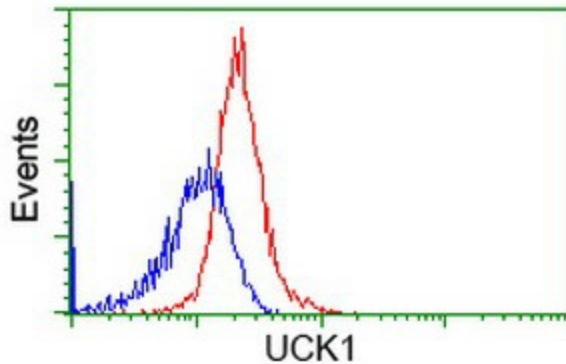


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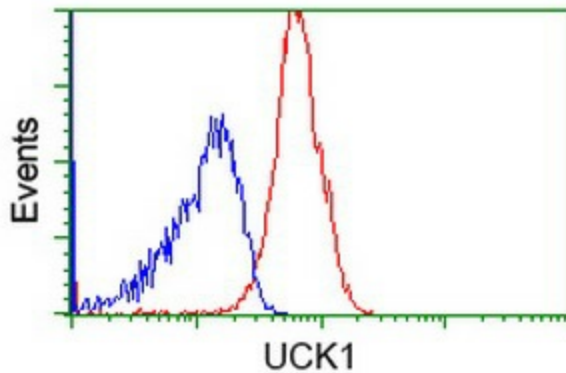
Synonyms: URK1
Protein Families: Druggable Genome
Protein Pathways: Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism

Product images:


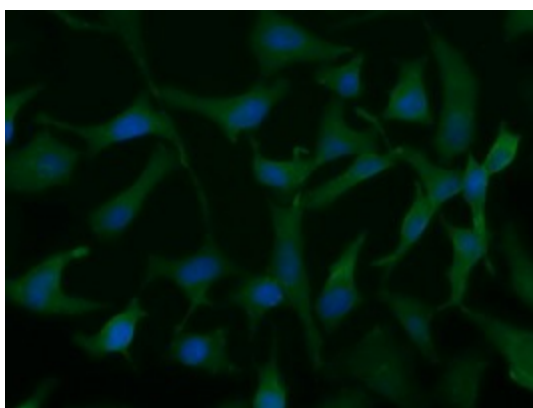
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY UCK1 (Cat# [RC220876], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UCK1 (Cat# [TA501542]). Positive lysates [LY403114] (100ug) and [LC403114] (20ug) can be purchased separately from OriGene.



Flow cytometric Analysis of HeLa cells, using anti-UCK1 antibody ([TA501542]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-UCK1 antibody ([TA501542]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Immunofluorescent staining of HeLa cells using anti-UCK1 mouse monoclonal antibody ([TA501542]).