

Product datasheet for **TA501543S**

UCK (UCK1) Mouse Monoclonal Antibody [Clone ID: OTI5E9]

Product data:

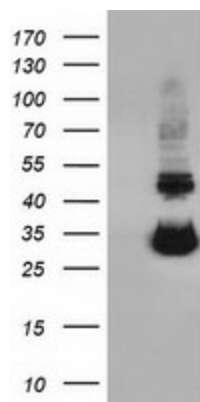
| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI5E9 |
| Applications: | FC, IF, WB |
| Recommended Dilution: | WB 1:2000, IF 1:100, FLOW 1:100 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human UCK1 (NP_113620) produced in HEK293T cell. |
| Formulation: | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| Concentration: | 0.65 mg/ml |
| 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] |
| Synonyms: | URK1 |
| Protein Families: | Druggable Genome |



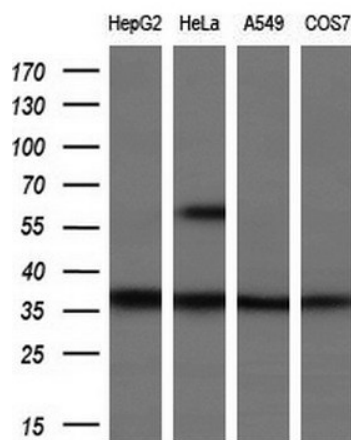
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Protein Pathways: Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism

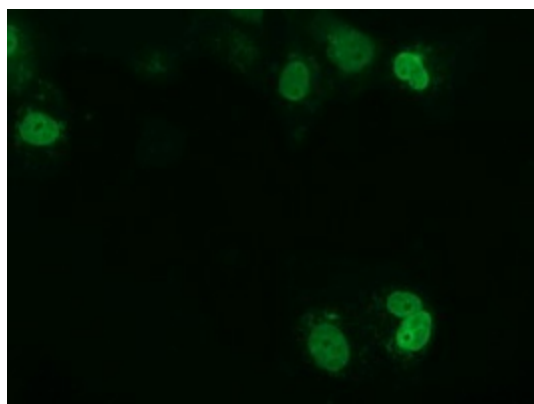
Product images:



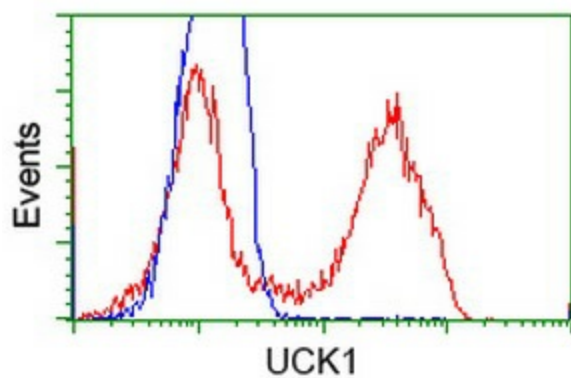
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY UCK1 ([RC220876], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UCK1. Positive lysates [LY403114] (100ug) and [LC403114]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



Western blot analysis of extracts (10ug) from 4 different cell lines by using anti-UCK1 monoclonal antibody (1:200).



Anti-UCK1 mouse monoclonal antibody ([TA501543]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY UCK1 ([RC220876]).



HEK293T cells transfected with either [RC220876] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-UCK1 antibody ([TA501543]), and then analyzed by flow cytometry.