



Anti-UCK1 (aa 202-276) polyclonal antibody (DPAB-DC3423)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a uridine-cytidine kinase that catalyzes the phosphorylation of uridine and cytidine to uridine monophosphate (UMP) and cytidine monophosphate (CMP) but not the phosphorylation of deoxyribonucleosides or purine ribonucleosides. This enzyme can also phosphorylate uridine and cytidine analogs and uses both ATP and GTP as a phosphate donor. Alternative splicing results in multiple splice variants encoding distinct isoforms.
Immunogen	UCK1 (NP_113620, 202 a.a. ~ 276 a.a) partial recombinant protein with GST tag. The sequence is TKKYADVIIIPRGVDNMVAINLIVQHIQDILNGDICKWHRGGSNGRSYKRTFSEPGDHGPM LTSGKRSHLESSSRP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	UCK1 uridine-cytidine kinase 1 [Homo sapiens (human)]
Official Symbol	UCK1
Synonyms	UCK1; uridine-cytidine kinase 1; URK1; UCK 1; uridine monophosphokinase 1; cytidine monophosphokinase 1;
Entrez Gene ID	83549
Protein Refseq	NP_001129426
UniProt ID	A0A024R8E7
Chromosome Location	9q34.13
Pathway	Drug metabolism - other enzymes; Fluoropyrimidine Activity; Metabolism of nucleotides; Pyrimidine metabolism
Function	ATP binding; nucleoside kinase activity; uridine kinase activity;