

Product datasheet for **CF501719**

KIST (UHMK1) Mouse Monoclonal Antibody [Clone ID: OTI2D3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D3
Applications:	FC, WB
Recommended Dilution:	WB 1:2000, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human UHMK1 (NP_787062) 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:	46.4 kDa
Gene Name:	U2AF homology motif kinase 1
Database Link:	NP_787062 Entrez Gene 246332 Rat Entrez Gene 127933 Human Q8TAS1



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Background:

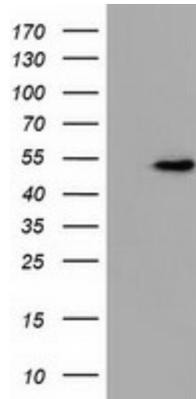
The gene encodes a serine/threonine protein kinase that promotes cell cycle progression through G1 by phosphorylation of the cyclin-dependent kinase inhibitor 1B (p27Kip1), which causes nuclear export and degradation. The encoded protein is also thought to function in the adult nervous system and the gene has been associated with schizophrenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Synonyms:

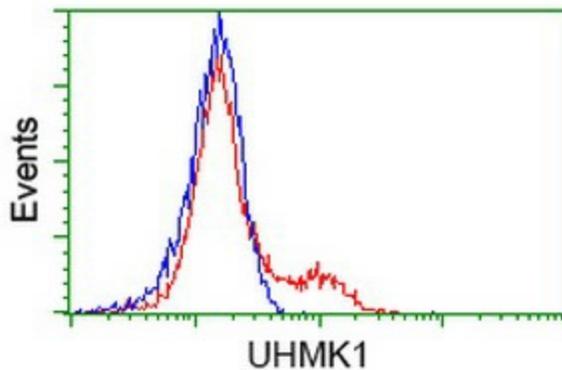
KIS; KIST; P-CIP2

Protein Families:

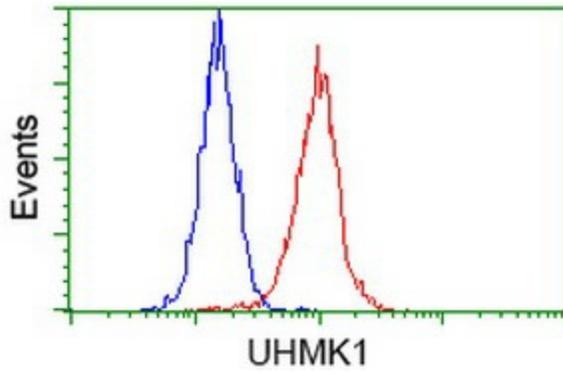
Druggable Genome, Protein Kinase

Product images:


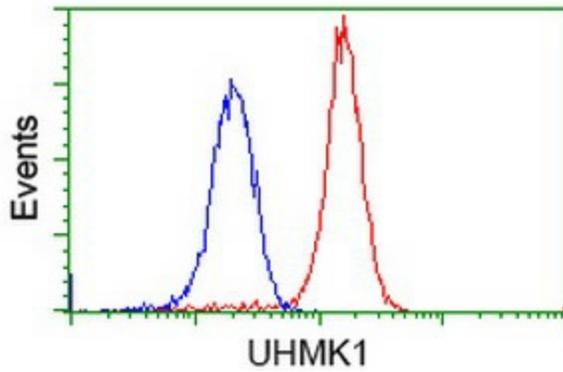
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY UHMK1 ([RC214962], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-UHMK1. Positive lysates [LY406187] (100ug) and [LC406187] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC214962] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-UHMK1 antibody ([TA501719]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-UHMK1 antibody ([TA501719]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-UHMK1 antibody ([TA501719]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).