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Product datasheet for CF502659

Guanylate kinase (GUK1) Mouse Monoclonal Antibody [Clone ID: OTI1D7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1D7
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:150, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GUK1 (NP_000849) 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:	21.5 kDa
Gene Name:	guanylate kinase 1
Database Link:	NP_000849 Entrez Gene 14923 MouseEntrez Gene 303179 RatEntrez Gene 2987 Human Q16774
Synonyms:	GMK
Protein Families:	Druggable Genome

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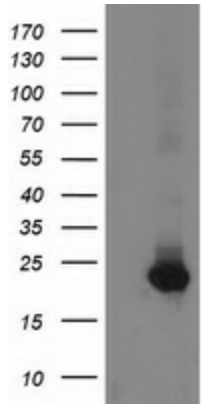
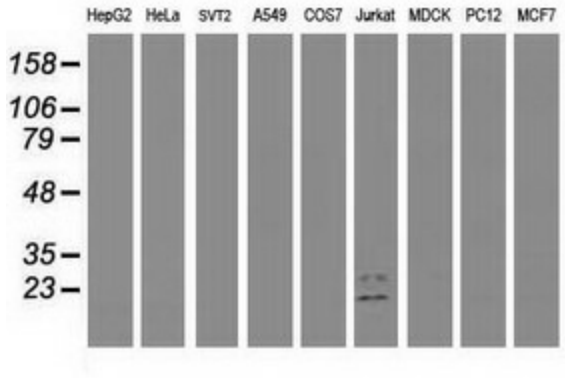
Protein Pathways: Metabolic pathways, Purine metabolism

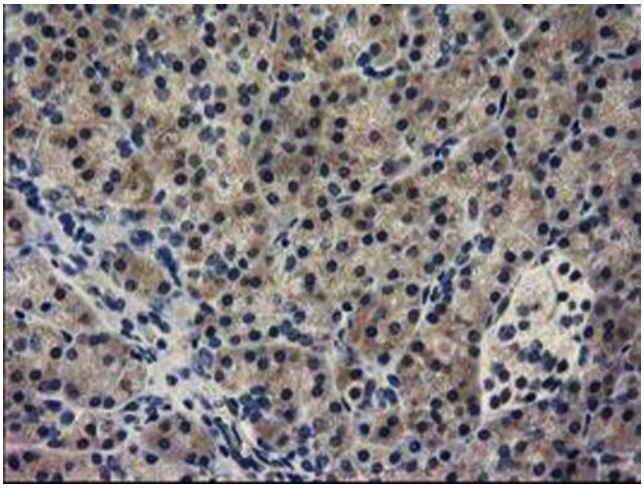
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GUK1 ([RC202510], 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-GUK1. Positive lysates [LY400303] (100ug) and [LC400303] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-GUK1 monoclonal antibody.



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-GUK1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502659])

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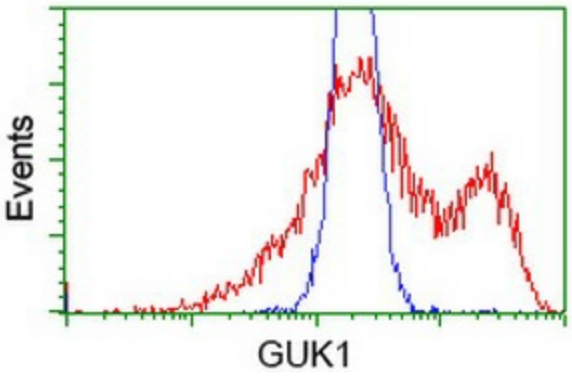
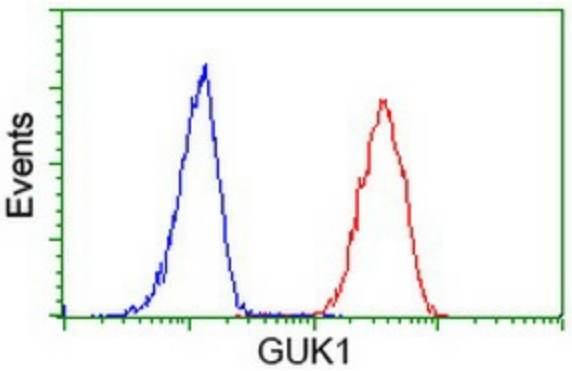
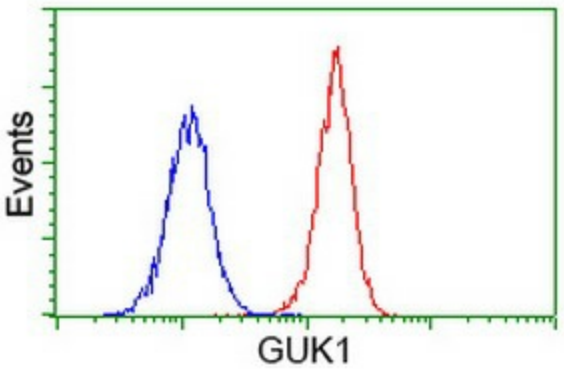


HEK293T cells transfected with either [RC202510] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-GUK1 antibody ([TA502659]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Hela cells, using anti-GUK1 antibody ([TA502659]), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-GUK1 antibody ([TA502659]), (Red), compared to a nonspecific negative control antibody, (Blue).

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