



# Anti-GUK1 monoclonal antibody, clone 5B9 (DCABH-907)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Guanylate kinase
<b>Antigen Description</b>	Essential for recycling GMP and indirectly, cGMP.
<b>Immunogen</b>	Recombinant full length Human Guanylate kinase produced in HEK293T cells (NP_000849).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	5B9
<b>Purification</b>	This antibody was purified from mouse ascites fluids by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P, Flow Cyt
<b>Positive Control</b>	HEK293T cell lysate transfected with pCMV6-ENTRY Guanylate kinase cDNA; Human pancreas, thyroid carcinoma, prostate, prostate carcinoma, and bladder carcinoma tissues; HEK293T cells transfected with a Guanylate kinase overexpress plasmid; Hela cells; Jurk
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 50% Glycerol, 1% BSA
<b>Preservative</b>	0.02% Sodium Azide

<b>Storage</b>	store at -20°C. Avoid repeated freeze / thaw cycles.
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<b>Ship</b>	Shipped at 4°C.
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">GUK1 guanylate kinase 1 [ Homo sapiens ]</a>
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<b>Official Symbol</b>	GUK1
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<b>Synonyms</b>	GUK1; guanylate kinase 1; guanylate kinase; GMP kinase; ATP:GMP phosphotransferase; GMK; FLJ42686; FLJ43710;
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<b>Entrez Gene ID</b>	<a href="#">2987</a>
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<b>Protein Refseq</b>	<a href="#">NP_000849</a>
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<b>UniProt ID</b>	<a href="#">Q16774</a>
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<b>Chromosome Location</b>	1q32-q41
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<b>Pathway</b>	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Synthesis and interconversion of nucleotide di- and triphosphates, organism-specific biosystem;
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<b>Function</b>	ATP binding; guanylate kinase activity; kinase activity; nucleotide binding; transferase activity;
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