

#3782 Store at -20°C	<h2 style="margin: 0;">GCK Antibody</h2>	
	<b>Orders:</b> 877-616-CELL (2355) orders@cellsignal.com	
	<b>Support:</b> 877-678-TECH (8324)	
	<b>Web:</b> info@cellsignal.com cellsignal.com	
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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications: W	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 91	Source/Isotype: Rabbit	UniProt ID: #Q12851	Entrez-Gene Id: 5871
<b>Product Usage Information</b>		<b>Application</b>		<b>Dilution</b>		
		Western Blotting		1:1000		
<b>Storage</b>		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
<b>Specificity/Sensitivity</b>		GCK Antibody detects endogenous levels of total GCK protein. This antibody does not cross-react with HPK or other members of the GCK family.				
<b>Source / Purification</b>		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser380 of human GCK. Antibodies are purified by protein A and peptide affinity chromatography.				
<b>Background</b>		Germinal center kinase (GCK) is the founding member of the GCK family, a group of serine/threonine kinases homologous to the yeast Ste20 kinase. GCK is activated by TNF and associated with TRAF2 (TNF receptor-associated factor 2) and MEKK1, thereby activating the SAPK/JNK pathway (1,2). GCK does not significantly phosphorylate MEKK1, instead it enhances MEKK1 oligomerization and autophosphorylation (3). GCK binds and activates MLK3, indicating that GCK may have other effectors (3).				
<b>Background References</b>		1. Pombo, C. M. et al. (1995) <i>Nature</i> 377, 750-754. 2. Yuasa, T. et al. (1998) <i>J. Biol. Chem.</i> 273, 22681-22692. 3. Chadee, D. N. et al. (2002) <i>Mol. Cell. Biol.</i> 22, 737-749.				

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
<b>Applications Key</b>	<b>W:</b> Western Blotting
<b>Cross-Reactivity Key</b>	<b>H:</b> Human <b>M:</b> Mouse <b>R:</b> Rat <b>Mk:</b> Monkey
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