

# GCG antibody - middle region (ARP42011\_P050)

## Data Sheet

<b>Product Number</b>	ARP42011_P050
<b>Product Name</b>	GCG antibody - middle region (ARP42011_P050)
<b>Size</b>	50ug
<b>Gene Symbol</b>	<a href="#">GCG</a>
<b>Alias Symbols</b>	GLP1; GLP2; GRPP
<b>Nucleotide Accession#</b>	<a href="#">NM_002054</a>
<b>Protein Size (# AA)</b>	180 amino acids
<b>Molecular Weight</b>	4kDa
<b>Product Format</b>	Lyophilized powder
<b>NCBI Gene Id</b>	2641
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Official Gene Full Name</b>	Glucagon
<b>Gene Family</b>	ENDOLIG
<b>Description</b>	This is a rabbit polyclonal antibody against GCG. It was validated on Western Blot using a cell lysate as a positive control. Aviva Systems Biology strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
<b>Peptide Sequence</b>	Synthetic peptide located within the following region: <a href="#">VSSYLEGQAAKEFIAWLVKGRGRDRDFPEEVAVEELGRRHADGSFSDEM</a>
<b>Target Reference</b>	Laakso,M., (2008) Diabetologia 51 (3), 502-511
<b>Description of Target</b>	GCG is actually a preproprotein that is cleaved into four distinct mature peptides. One of these, glucagon, is a pancreatic hormone that counteracts the glucose-lowering action of insulin by stimulating glycogenolysis and gluconeogenesis. Glucagon is a li
<b>Partner Proteins</b>	GHR
<b>Reconstitution and Storage</b>	Add 50 ul of distilled water. Final anti-GCG antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
<b>Lead Time</b>	Domestic: within 24 hours delivery International: 3-5 business days
<b>Blocking Peptide</b>	For anti-GCG antibody is Catalog # AAP42011 (Previous Catalog # AAP511504)
<b>Immunogen</b>	The immunogen for anti-GCG antibody: synthetic peptide directed towards the middle region of human GCG
<b>Swissprot Id</b>	<a href="#">P01275</a>
<b>Protein Name</b>	Glucagon
<b>Protein Accession #</b>	<a href="#">NP_002045</a>
<b>Purification</b>	Affinity Purified
<b>Species Reactivity</b>	Mouse, Rat, Human, Guinea pig, Dog, Horse, Rabbit, Bovine, Sheep
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Guinea pig: 100%; Horse: 93%; Sheep: 93%; Bovine: 93%; Rabbit: 93%

Human THP-1

60 kDa



Image 1



**WB Suggested Anti-GCG Antibody Titration:** 0.2-1  
ug/ml  
**ELISA Titer:** 1:62500  
**Positive Control:** THP-1 cell lysate

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.  
Optimal conditions of its use should be determined by end users.