Anti-GCG (full length) polyclonal antibody (DPABH-00862)

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

PRODUCT INFORMATION

Antigen Description
Glucagon is a hormone that is secreted by alpha cells in the pancreas. Glucagon antagonizes insulin by converting glycogen to glucose in the liver and increasing blood sugar levels. Glucagon-like peptide 1 (GLP1), Glucagon-like peptide 2 (GLP2), VIP (vasoactive intestinal peptide) and PACAP (pituitary adenylate cyclase activating polypeptide) are in the glucagons hormone family. GLP1 is a transmitter in the central nervous system that regulates feeding and drinking behavior. GLP2 stimulates intestinal epithelial growth.

Immunogen
Recombinant fragment, corresponding to a region within full length amino acids 1-180 of Human Glucagon

Isotype
IgG

Source/Host
Rabbit

Species Reactivity
Human

Purification
Immunogen affinity purified

Conjugate
Unconjugated

Applications
WB

Format
Liquid

Size
100 μl

Buffer
pH: 7.00; Constituents: 0.75% Glycine, 1.21% Tris, 10% Glycerol

Preservative
None

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name
GCG glucagon [ Homo sapiens ]

Official Symbol
GCG
<table>
<thead>
<tr>
<th><strong>Synonyms</strong></th>
<th>GCG; glucagon; GLP1; GLP2; GRPP; preproglucagon; glucagon-like peptide 1; glucagon-like peptide 2; glicentin-related polypeptide;</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Entrez Gene ID</strong></td>
<td>2641</td>
</tr>
<tr>
<td><strong>Protein Refseq</strong></td>
<td>NP_002045.1</td>
</tr>
<tr>
<td><strong>UniProt ID</strong></td>
<td>P01275</td>
</tr>
<tr>
<td><strong>Pathway</strong></td>
<td>Class B/2 (Secretin family receptors); G alpha (q) signalling events; GPCR downstream signaling; Gastrin-CREB signalling pathway via PKC and MAPK</td>
</tr>
<tr>
<td><strong>Function</strong></td>
<td>glucagon receptor binding; hormone activity; identical protein binding; protein binding</td>
</tr>
</tbody>
</table>