

## Product datasheet for **TA323066**

### GLP1 (GCG) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 10-50 Positive control: Human breast cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 1-15 amino acids of Human glucagon
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	glucagon
Database Link:	<a href="#">NP_002045</a> <a href="#">Entrez Gene 14526 MouseEntrez Gene 24952 RatEntrez Gene 2641 Human P01275</a>

**Background:** The protein encoded by this gene 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 ligand for a specific G-protein linked receptor whose signalling pathway controls cell proliferation. Two of the other peptides are secreted from gut endocrine cells and promote nutrient absorption through distinct mechanisms. Finally; the fourth peptide is similar to glicentin; an active enteroglucagon.

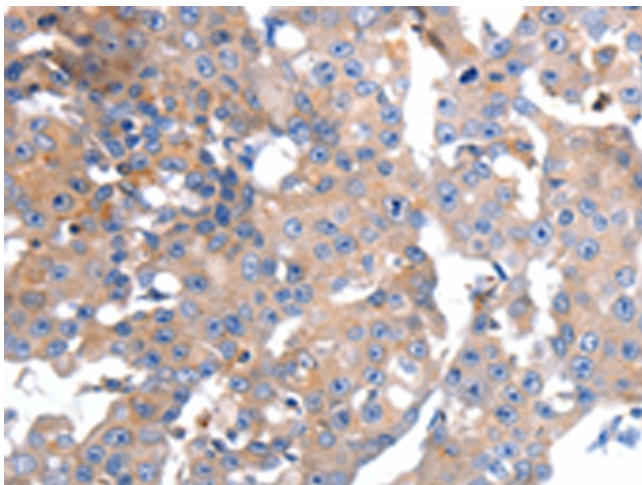


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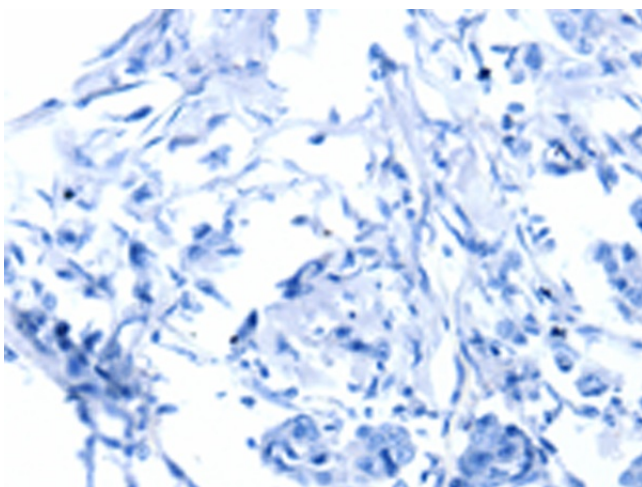
Synonyms: GLP1; GLP2; GRPP

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

**Product images:**



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA323066 (GCG Antibody) at dilution 1/15 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA323066 (GCG Antibody) at dilution 1/15, treated with synthetic peptide. (Original magnification:  $\times 200$ )