

## Rabbit Pro-glucagon Polyclonal Antibody | anti-GCG antibody

Pro-glucagon Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA22298  | Rabbit | Human, Mouse, Rat | Western Blot, Immunohistochemistry, Immunofluorescence |

### PRODUCT SYNONYMS

Pro-glucagon; Polyclonal Antibody; Pro-glucagon Polyclonal Antibody; GCG; GLP-1; GLP1; GLP2; GRPP; glucagon; anti-GCG antibody

### PRODUCT SPECIFICATIONS

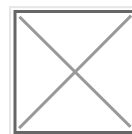
|                                               |                                                                            |
|-----------------------------------------------|----------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                     |
| Reactivity                                    | Human, Mouse, Rat                                                          |
| Clonality                                     | Polyclonal                                                                 |
| Isotype                                       | IgG                                                                        |
| Purity/Purification                           | Affinity purification                                                      |
| Form/Format                                   | PBS with 0.05% proclin300,50% glycerol,pH7.3.                              |
| Concentration                                 | 1mg/mL (varies by lot)                                                     |
| Applicable Applications for anti-GCG antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)     |
| Application Notes                             | WB: 1:500-1:2000<br>IHC: 1:50-1:200<br>IF: 1:50-1:200                      |
| Immunogen                                     | Recombinant fusion protein of human Pro-glucagon                           |
| Research Area                                 | Cancer, Metabolism, Developmental Biology, Signal Transduction, Stem Cells |
| Preparation and Storage                       | Storage: -20 degree C/One year. Avoid freeze/thaw cycles.                  |

### IMAGES



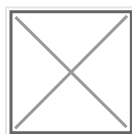
#### IF (Immunofluorescence)

Immunofluorescence analysis of mouse pancreas cells using Pro-glucagon Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



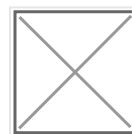
#### IF (Immunofluorescence)

Immunofluorescence analysis of rat pancreas cells using Pro-glucagon Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat pancreatic islet using Pro-glucagon Polyclonal Antibody at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse pancreatic islet using Pro-glucagon Polyclonal Antibody at dilution of 1:50 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human islet using Pro-glucagon Polyclonal Antibody at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

**WB (Western Blot)**

Western blot analysis of extracts of various cell lines using Pro-glucagon Polyclonal Antibody at 1:3000 dilution.

**ADDITIONAL INFORMATION**

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-GCG antibody</b> | The protein encoded by this gene is actually a preproprotein that is cleaved into four distinct mature peptides. One of these, glucagon, is pancreatic hormone that counteracts the glucose-lowering action of insulin by stimulating glycogenolysis and gluconeogenesis. Glucagon is 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. |
| <b>Product Categories/Family for anti-GCG antibody</b>   | <a href="#">Antibodies</a> ; <a href="#">Primary Antibodies</a> ; <a href="#">Polyclonal Antibody</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**NCBI AND UNIPROT INFORMATION**

|                                         |                                                                                                           |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">4503945</a>                                                                                   |
| <b>NCBI GeneID</b>                      | <a href="#">2641</a>                                                                                      |
| <b>NCBI Accession #</b>                 | <a href="#">NP_002045.1</a>                                                                               |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_002054.4</a>                                                                               |
| <b>UniProt Accession #</b>              | <a href="#">P01275</a> ; <a href="#">Q53TP6</a> ; <a href="#">A6NN65</a>                                  |
| <b>Molecular Weight</b>                 | 20,909 Da                                                                                                 |
| <b>NCBI Official Full Name</b>          | glucagon preproprotein                                                                                    |
| <b>NCBI Official Synonym Full Names</b> | glucagon                                                                                                  |
| <b>NCBI Official Symbol</b>             | GCG                                                                                                       |
| <b>NCBI Official Synonym Symbols</b>    | GLP1; GLP2; GRPP                                                                                          |
| <b>NCBI Protein Information</b>         | glucagon; preproglucagon; glucagon-like peptide 1; glucagon-like peptide 2; glicentin-related polypeptide |
| <b>UniProt Protein Name</b>             | Glucagon                                                                                                  |
| <b>UniProt Gene Name</b>                | <b>GCG</b>                                                                                                |
| <b>UniProt Synonym Gene Names</b>       | GRPP; OXM; OXY; GLP-1; GLP-1(7-37); GLP-1(7-36); GLP-2                                                    |
| <b>UniProt Entry Name</b>               | GLUC_HUMAN                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pro-glucagon-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/22298>