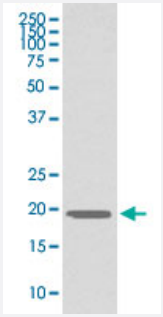
# GCG monoclonal antibody, clone AOAF-7

Catalog # MAB20093 Size 100 uL

## Applications




### Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with GCG monoclonal antibody, clone AOAF-7 (Cat # MAB20093).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit monoclonal antibody raised against synthetic peptide of human GCG. |
| **Immunogen** | A synthetic peptide corresponding to human GCG. |
| **Host** | Rabbit |
| **Theoretical MW (kDa)** | 20.909 |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunohistochemistry (1:50-1:200)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide). |

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| | |
|---|---|
| **Storage Instruction** | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry
- Western Blot (Cell lysate)

  Western Blot analysis of HepG2 cell lysate with GCG monoclonal antibody, clone AOAF-7 (Cat # MAB20093).

## Gene Info — GCG

| | |
|---|---|
| **Entrez GeneID** | 2641 |
| **Protein Accession#** | P01275 |
| **Gene Name** | GCG |
| **Gene Alias** | GLP1, GLP2, GRPP |
| **Gene Description** | glucagon |
| **Omim ID** | 138030 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is actually a preproprotein that is cleaved into four distinct matur e peptides. One of these, glucagon, is a pancreatic hormone that counteracts the glucose-lowerin g action of insulin by stimulating glycogenolysis and gluconeogenesis. Glucagon is a ligand for a s pecific G-protein linked receptor whose signalling pathway controls cell proliferation. Two of the ot her peptides are secreted from gut endocrine cells and promote nutrient absorption through distin ct mechanisms. Finally, the fourth peptide is similar to glicentin, an active enteroglucagon. [provid ed by RefSeq |
| **Other Designations** | glicentin-related polypeptide\|glucagon-like peptide 1\|glucagon-like peptide 2 |

## Pathway

- Neuroactive ligand-receptor interaction

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## Disease

- Atherosclerosis
- Calcinosis
- Cardiovascular Diseases
- Coronary Artery Disease
- Diabetes Mellitus
- Drug Toxicity
- Edema
- Obesity

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