

# Metabolism Assays

## Tools for Metabolism Research

Metabolism is a vital process for all life forms. It is broadly defined as the sum of all the biochemical processes involved in maintaining the living state of the cells, and thus the organism. Transformation of the macronutrients such as carbohydrates, proteins, and fats into energy is an integral part of the metabolic processes.

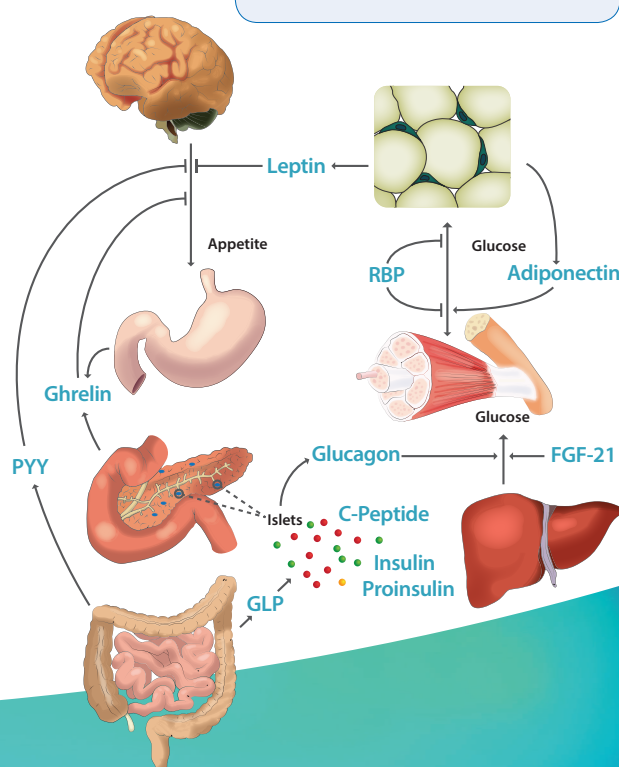
They can be divided into two main categories: anabolic processes, which consume energy to synthesize simple molecules or polymerize them into more complex macromolecules, and catabolic processes that degrade molecules to release energy.

Understanding the basic biological mechanisms that regulate metabolism and how they are dysregulated in disorders such as obesity, diabetes, stroke, and cancer is a crucial aspect of disease-oriented research.

To advance your metabolism research, a wide variety of sensitive, accurate, and straightforward assays and ELISA kits is offered:

- Cellular Metabolism
- Lipid Metabolism
- Carbohydrate Metabolism
- Amino Acid & Protein Metabolism
- Intermediary Metabolism

- Diabetes & Obesity
- Cardiovascular Disease
- Cancer
- Neuroscience
- Stem Cell Biology
- Epigenetics



[www.biocat.com/metabolism-assays](http://www.biocat.com/metabolism-assays)

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