

## Product datasheet for **AP08124PU-S**

### Insulin (INS) Rabbit Polyclonal Antibody

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | IF, IHC  |
| Recommended Dilution: | Suitable for Immunohistochemistry and Immunocytochemistry (Frozen or Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections and cell smears).<br>For IHC dilute concentrated antibody at 1/50-1/100 using streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature.<br>Immunofluorescence.<br><i>Recommended Positive Control:</i> Human pancreas. |
| Reactivity:           | Human, Porcine   |
| Host:                 | Rabbit   |
| Isotype:              | IgG  |
| Clonality:            | Polyclonal   |
| Immunogen:            | Purified human insulin conjugated to carrier protein.  |
| Specificity:          | Insulin.<br><b>Cellular Localization:</b> Cytoplasmic.   |
| Formulation:          | PBS, pH 7.4 containing 1% BSA as stabilizer and 0.05% Sodium Azide as preservative.<br>State: Purified<br>State: Liquid purified IgG fraction.   |
| Concentration:        | lot specific   |
| Purification:         | Protein A Chromatography.  |
| Conjugation:          | Unconjugated   |
| Storage:              | Store undiluted at 2-8°C.  |
| Stability:            | Shelf life: one year from despatch.  |
| Gene Name:            | insulin  |
| Database Link:        | <a href="#">Entrez Gene 3630 Human P01308</a>  |



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**Background:**

Insulin is a 51 amino acids peptide hormone MW 5808 Da. It is produced by beta cells of the islets of Langerhans in the pancreas. Insulin enhances membrane transport of glucose, amino acids and certain ions. It promotes glycogen storage, formation of triglycerides and synthesis of proteins and nucleic acids. Lack of insulin causes diabetes mellitus.

**Insulin is also present in tumors of B cell origin such as insulinoma.**

**Synonyms:**

INS