

## Product datasheet for **AP08124PU-N**

### 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). For IHC dilute concentrated antibody at 1/50-1/100 using streptavidin~biotin system or polymer system, incubate 30 minutes at room temperature. Immunofluorescence. <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. <b>Cellular Localization:</b> Cytoplasmic.
Formulation:	PBS, pH 7.4 containing 1% BSA as stabilizer and 0.05% Sodium Azide as preservative. State: Purified 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