

## Product datasheet for **AP14510PU-N**

### **PDX1 (N-term) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC
<b>Recommended Dilution:</b>	ELISA: 1/1,000. Immunohistochemistry: 1/10 - 1/50.
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	Ig
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human Ipf (Human N-term).
<b>Specificity:</b>	This antibody reacts to PDX1.
<b>Formulation:</b>	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid purified Ig
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein A column, followed by peptide affinity purification
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	pancreatic and duodenal homeobox 1
<b>Database Link:</b>	<a href="#">Entrez Gene 3651 Human P52945</a>



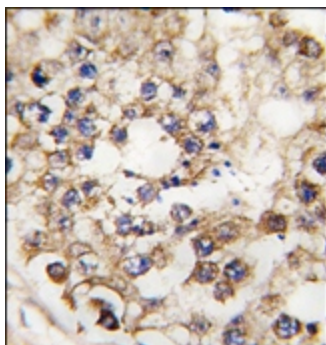
[View online »](#)

**Background:**

PDX1 is a transcriptional activator of several genes, including insulin, somatostatin, glucokinase, islet amyloid polypeptide, and glucose transporter type 2. This nuclear protein is involved in the early development of the pancreas and plays a major role in glucose-dependent regulation of insulin gene expression. Defects in the gene encoding PDX1 are a cause of pancreatic agenesis, which can lead to early-onset insulin-dependent diabetes mellitus (NIDDM), as well as maturity onset diabetes of the young type 4 (MODY4).

**Synonyms:**

PDX1, PDX-1, IPF1, Pancreas/duodenum homeobox protein 1, Insulin promoter factor 1, IPF-1, Islet/duodenum homeobox-1, IDX-1, Somatostatin-transactivating factor 1, STF-1, Insulin upstream factor 1, IUF-1, Glucose-sensitive factor, GSF

**Product images:**

Formalin-fixed and paraffin-embedded human testis tissue reacted with PDX1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.