

PDX-1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251375

Unit: 0.1 mg

Description:

Pancreas/duodenum homeobox protein 1 (PDX-1) activates insulin, somatostatin, glucokinase, islet amyloid polypeptide and glucose transporter type 2 gene transcription. PDX-1 is particularly involved in glucose-dependent regulation of insulin gene transcription. PDX-1 binds preferentially the DNA motif 5'-[CT]TAAT[TG]-3'. During development, PDX-1 specifies the early pancreatic epithelium, permitting its proliferation, branching and subsequent differentiation. At the adult stage, PDX-1 is required for maintaining the hormone-producing phenotype of the beta-cell.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: Ck, H, M, P, R

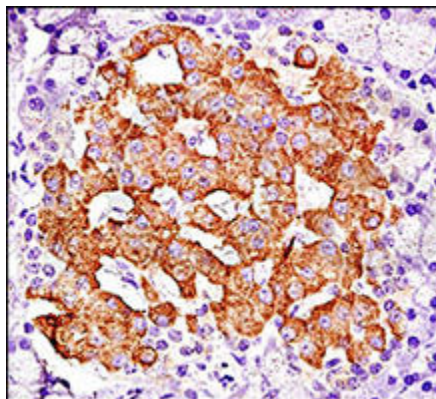
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: PDX-1; Pancreatic and duodenal homeobox 1; Pancreas/duodenum homeobox 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; PDX1; IPF1

Accession No.: P52945

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PDX-1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



PDX-1 staining in pancreas. Formalin-fixed paraffin-embedded rat pancreas is stained with PDX-1 Antibody (Cat. No. 251375) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.