

Rabbit Anti-PDX1 Polyclonal Antibody

Primary Antibodies

Background:

Activates insulin, somatostatin, glucokinase, islet amyloid polypeptide and glucose transporter type 2 gene transcription. Particularly involved in glucose-dependent regulation of insulin gene transcription. Binds preferentially the DNA motif 5'-[CT]TAAT[TG]-3'. During development, specifies the early pancreatic epithelium, permitting its proliferation, branching and subsequent differentiation. At adult stage, required for maintaining the hormone-producing phenotype of the beta-cell. Insulin promoter factor 1 is an islet-specific protein that activates transcription of the insulin and somatostatin genes. It is a key regulator of islet peptide hormone expression and also plays an essential role in pancreatic development. Mutations in this gene may be involved in several disorders of the pancreas or in diabetes mellitus. Belongs to the Antp homeobox family. IPF1/XIHomebox-8 subfamily. & Contains 1 homeobox DNA-binding domain. Subcellular Location: Nucleus. Tissue Specificity: Duodenum and pancreas.

Source/Purification:

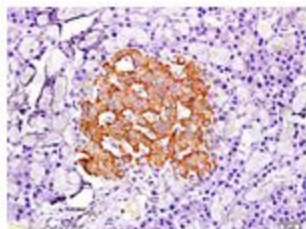
KLH conjugated synthetic peptide derived from human PDX1 C-terminus. Was purified by Protein A and peptide affinity chromatography.

Storage: Prepared as lyophilized powder or liquid and shipped on ice. Store at -20°C for one year.

Reconstitution:

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.



Size: 100ul or 100ug lyophilized

Concentration: 1ug/ul

Host: Rabbit

Reactivities:

Human, Mouse, Rat, Chicken, Pig,

Application:

- WB(1:100-500)
- ELISA(1:500-1000)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- IF(1:100-500)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

Antibody Type: Polyclonal

Isotype: IgG

Molecular Weight: 30kDa

Preservatives:

10ug/ul BSA and 0.1% NaN₃.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.