bs-0923R **[Primary Antibody]**

PDX1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3651 **SWISS:** P52945

Target: PDX1

Immunogen: KLH conjugated synthetic peptide derived from human PDX1: 188-284/284.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a transcriptional activator of several genes, including insulin, somatostatin, glucokinase, islet amyloid polypeptide, and glucose transporter type 2. The encoded 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 this gene are a cause of pancreatic agenesis, which can lead to early-onset insulin-dependent diabetes mellitus (IDDM), as well as maturity onset diabetes of the young type 4 (MODY4). [provided by RefSeq, Aug 2017]

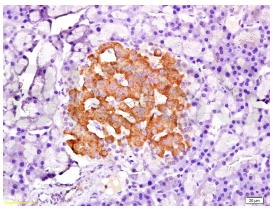
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Rat (predicted: Human, Mouse, Pig, Chicken)

Predicted MW.: 30 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



Tissue/cell: rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-PDX-1 Polyclonal Antibody, Unconjugated(bs-0923R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=8.025]** Bing Yang. et al. Polysaccharide from Hovenia dulcis (Guaizao) improves pancreatic injury and regulates liver glycometabolism to alleviate STZ-induced type 1 diabetes mellitus in rats. INT J BIOL MACROMOL. 2022 Jun;: WB ;Rat. 35764168
- **[IF=5.29]** Zheng, Liming, et al. "The Modification of Tet1 in Male Germline Stem Cells and Interact with PCNA, HDAC1 to promote their Self-renewal and Proliferation." Scientific Reports 6 (2016): 37414. ICC ;="Goat". 27857213
- **[IF=4.546]** Chi-Hao Tsaiet al. The Powdered Root of Eurycoma longifolia Jack Improves Beta-Cell Number and

Pancreatic Islet Performance through PDX1 Induction and Shows Antihyperglycemic Activity in db/db Mice. Nutrients . 2020 Jul 16;12(7):2111. IHC ;mouse. 32708678

- **[IF=1.64]** Hefei, Wang, et al. "Morphological Characteristics and Identification of Islet‐like Cells Derived From Rat Adipose‐derived Stem Cells Cocultured with Pancreas Adult Stem Cells." Cell Biology International (2014). Other ;="Rat". 25262665
- **[IF=2.08]** Jian, Ruo-Lei, et al. "Generation of insulin-producing cells from C3H10T1/2 mesenchymal progenitor cells." Gene (2015). WB ;="Mouse". 25724395