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anti-PDX1 antibody



2

Publications



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Overview

Quantity:	0.1 mg
Target:	PDX1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PDX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human PDX1 expressed in E. coli.
Clone:	2G12
Isotype:	lgG1
Purification:	purified

Target Details

Target:	PDX1
Alternative Name:	PDX1 (PDX1 Products)
Background:	Description: 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

Target Details

	gene 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). Aliases: GSF, IPF1, IUF1, IDX-1, MODY4, PDX-1, STF-1
Molecular Weight:	30.8 kDa
Gene ID:	3651
HGNC:	3651
Pathways:	Nuclear Receptor Transcription Pathway, Positive Regulation of Peptide Hormone Secretion, Steroid Hormone Mediated Signaling Pathway, Hormone Transport, Carbohydrate Homeostasis , Chromatin Binding, Maintenance of Protein Location

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

4 °C/-20 °C

4°C, -20°C for long term storage

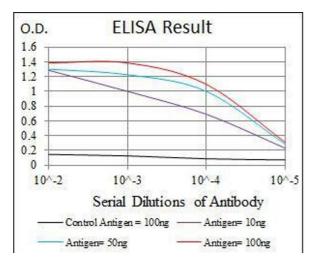
Publications

Storage Comment:

Storage:

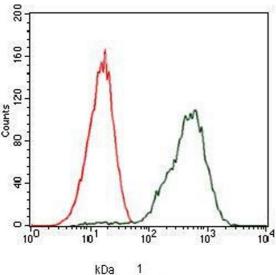
Product cited in:

Li, Xia, Huang, Chen, Su, Li, Wang, Ding, Shao: "A strategy to rapidly identify the functional targets of microRNAs by combining bioinformatics and mRNA cytoplasmic/nucleic ratios in culture cells." in: **FEBS letters**, Vol. 584, Issue 14, pp. 3198-202, (2010) (PubMed).



ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



170-130-

95-

72-55-

43-

34-26-

17-11-

Flow Cytometry

Image 2. Flow cytometric analysis of Jurkat cells using PDX1 mouse mAb (green) and negative control (red).

Western Blotting

Image 3. Western blot analysis using PDX1 mAb against human PDX1 (AA: 39-283) recombinant protein. (Expected MW is 52 kDa)

Please check the product details page for more images. Overall 4 images are available for ABIN969554.