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# anti-PDX1 antibody

3 Images



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#### Overview

Quantity:	200 μL
Target:	PDX1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDX1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## **Product Details**

Immunogen:	Synthetic peptide of human PDX1
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## **Target Details**

Alternative Name:	PDX1 (PDX1 Products)
i i	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

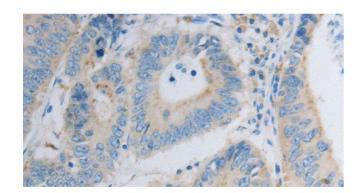
## **Target Details**

	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).
Molecular Weight:	31 kDa
NCBI Accession:	NP_000200
UniProt:	P52945
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

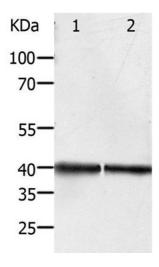
Application Notes:	WB 1:500-1:2000, IHC 1:15-1:50
Restrictions:	For Research Use only
Handling	

Format:	Liquid
Concentration:	0.4 mg/mL
Buffer:	PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



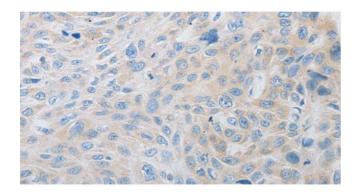
## **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Immunohistochemistry of paraffin-embedded Human colon cancer using PDX1 Polyclonal Antibody at dilution of 1:30



#### **Western Blotting**

**Image 2.** Western Blot analysis of Hela and Jurkat cell using PDX1 Polyclonal Antibody at dilution of 1:450



## **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 3.** Immunohistochemistry of paraffin-embedded Human esophagus cancer using PDX1 Polyclonal Antibody at dilution of 1:30