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anti-PDX1 antibody (N-Term)

Images



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Quantity:	400 μL
Target:	PDX1
Binding Specificity:	AA 40-69, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This PDX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 40-69 amino acids from the N-terminal region of human PDX1.
Clone:	RB10459
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	PDX1
Alternative Name:	PDX1 (PDX1 Products)
Background:	PDX1 is a transcriptional activator of several genes, including insulin, somatostatin,

Target Details

glucokinase, islet amyloid polypeptide, and glucose transporter type 2. This 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 the gene encoding PDX1 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).

Molecular Weight: 30771

Gene ID: 3651

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

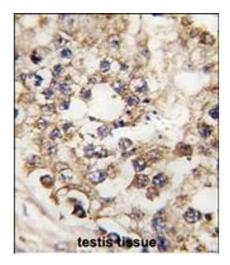
Application Details

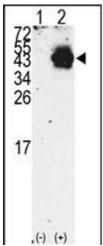
Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human testis tissue reacted with PDX1 Antibody (N-term) (ABIN392140 and ABIN2841872), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Western Blotting

Image 2. Western blot analysis of PDX1 (arrow) using rabbit polyclonal PDX1 Antibody (N-term) (R). 293 cell lysates (2 μ g/lane) either nontransfected (Lane 1) or transiently transfected with the PDX1 gene (Lane 2) (Origene Technologies).