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Datasheet for ABIN1881463

## anti-PDX1 antibody (AA 43-72)

1 Image

1 Publication

### Overview

Quantity:	400 µL
Target:	PDX1
Binding Specificity:	AA 43-72
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDX1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This IPF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-72 amino acids from human IPF.
Clone:	RB16670
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	PDX1
Alternative Name:	IPF ( <a href="#">PDX1 Products</a> )

## Target Details

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Background:	IPF is a transcriptional activator of several genes, including insulin, somatostatin, 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 this 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).
Molecular Weight:	30771
NCBI Accession:	<a href="#">NP_000200</a>
UniProt:	<a href="#">P52945</a>
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Hormone Transport</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Chromatin Binding</a> , <a href="#">Maintenance of Protein Location</a>

## Application Details

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Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

## Handling

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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
Expiry Date:	6 months

## Publications

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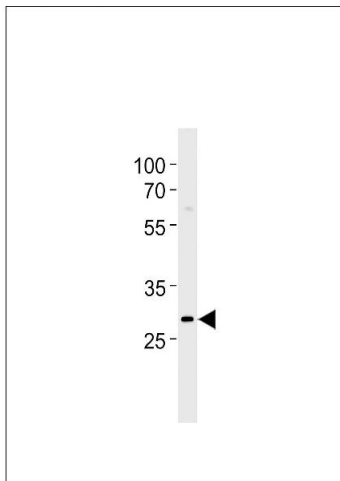
Product cited in:	Carrascal, Ovelleiro, Casas, Gay, Abian: "Phosphorylation analysis of primary human T lymphocytes using sequential IMAC and titanium oxide enrichment." in: <b>Journal of proteome research</b> , Vol. 7, Issue 12, pp. 5167-76, (2009) ( <a href="#">PubMed</a> ).
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Koulich, Li, DeMartino: "Relative structural and functional roles of multiple deubiquitylating proteins associated with mammalian 26S proteasome." in: **Molecular biology of the cell**, Vol. 19, Issue 3, pp. 1072-82, (2008) ([PubMed](#)).

Reuter, Medhurst, Waisfisz, Zhi, Herterich, Hoehn, Gross, Joenje, Hoatlin, Mathew, Huber: "Yeast two-hybrid screens imply involvement of Fanconi anemia proteins in transcription regulation, cell signaling, oxidative metabolism, and cellular transport." in: **Experimental cell research**, Vol. 289, Issue 2, pp. 211-21, (2003) ([PubMed](#)).

## Images

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### Western Blotting

**Image 1.** Ipf Antibody (pS66) (ABIN1881463 and ABIN2841874) western blot analysis in Daudi cell line lysates (35 µg/lane). This demonstrates the PDX1 antibody detected the PDX1 protein (arrow).