

# PDX1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human PDX1. The exact sequence is proprietary.
Form	Liquid
Concentration	0.92 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% Proclin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2736337

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

Positive Control: Jurkat, Raji, NCI-H929, mouse liver, rat liver, AsPC-1, mouse pancreas

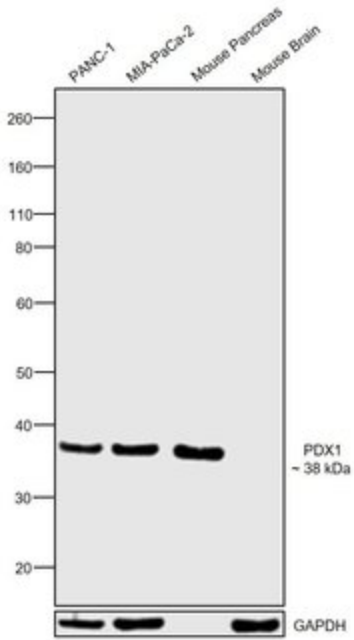
Predicted Reactivity: Dog (100%), Pig (100%)

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

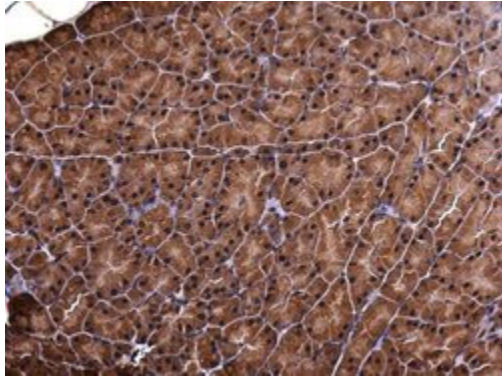
## Advanced Verification Data

### PDX1 Antibody (PA5-78024)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues tested owing to their inherent genetic constitution. Relative expression of PDX1 was observed in Mouse Pancreas in comparison to Mouse Brain using Anti-PDX1 Polyclonal Antibody (Product # PA5-78024) in Western Blot. Relative expression validation info.

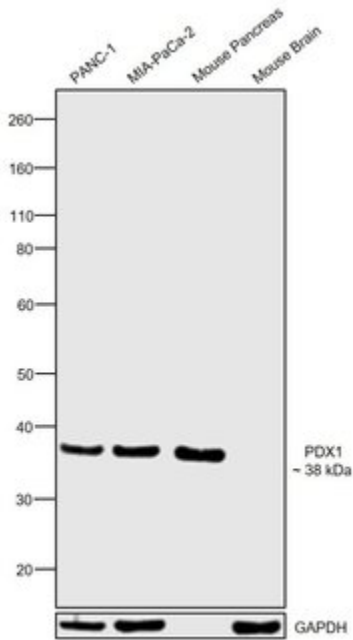


## Product Images For PDX1 Polyclonal Antibody



### PDX1 Antibody (PA5-78024) in IHC (P)

Immunohistochemistry analysis of PDX1 in paraffin-embedded rat pancreas. Sample was incubated with PDX1 polyclonal antibody (Product # PA5-78024) using a dilution of 1:500.



### PDX1 Antibody (PA5-78024) in WB

Western blot was performed using Anti-PDX1 Polyclonal Antibody (Product # PA5-78024) and a 38 kDa band corresponding to PDX1 was observed across cell lines and tissues tested except Mouse Brain which is reported to be negative. Whole cell extracts (30  $\mu$ g lysate) of PANC-1 (Lane 1), MIA-PaCa-2 (Lane 2), tissue extracts of Mouse Pancreas (Lane 3) and Mouse Brain (Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:3000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

[View more figures on thermofisher.com](https://www.thermofisher.com)

Miscellaneous PubMed (1)

eLife

**Identification of novel, clinically correlated autoantigens in the monogenic autoimmune syndrome APS1 by proteome-wide PhIP-Seq.**

"PA5-78024 was used in PhIP-seq to highlight the utility of PhIP-Seq for extensively interrogating antigenic repertoires in human autoimmunity and the importance of antigen discovery for improved understanding of disease mechanisms."

Authors: Vazquez SE, Ferré EM, Scheel DW, Sunshine S, Miao B, Mandel-Brehm C, Quandt Z, Chan AY, Cheng M, German M, Lionakis M, DeRisi JL, Anderson MS

**Species**  
Human

**Dilution**  
1:50

**Year**  
2020

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