

Datasheet for ABIN6972509
anti-PDX1 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	PDX1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	This PDX1 antibody was raised against a peptide within the N-terminal region of human PDX1.
Isotype:	IgG
Characteristics:	PDX1 (pancreatic and duodenal homeobox 1, GSF, IPF1, IUF1, IDX-1, MODY4, PDX-1, STF-1) activates insulin, somatostatin, glucokinase, islet amyloid polypeptide and glucose transporter type 2 gene transcription. Particularly involved in glucose-dependent regulation of insulin gene transcription. Binds preferentially the DNA motif 5'-[CT]TAAT[TG]-3'. During development, specifies the early pancreatic epithelium, permitting its proliferation, branching and subsequent differentiation. At adult stage, required for maintaining the hormone-producing phenotype of the beta-cell. PDX1 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Western blot, it has been shown to react with Human samples.
Purification:	Affinity Purified

Target Details

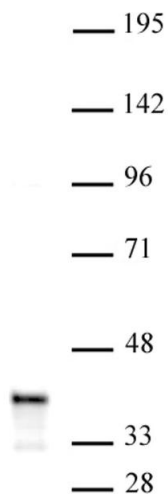
Target:	PDX1
Alternative Name:	PDX1 (PDX1 Products)
Molecular Weight:	42 kDa
NCBI Accession:	NP_000200
Pathways:	Nuclear Receptor Transcription Pathway , Positive Regulation of Peptide Hormone Secretion , Steroid Hormone Mediated Signaling Pathway , Hormone Transport , Carbohydrate Homeostasis , Chromatin Binding , Maintenance of Protein Location

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	Purified IgG in PBS with 30 % glycerol and 0.035 % 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:	-20 °C
Storage Comment:	Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Western Blotting

Image 1. PDX1 antibody (pAb) tested by Western blot. PDX1 detection by Western blot. The analysis was performed using 30 µg Caco-2 nuclear cell extract and PDX1 at a 1:500 dilution.