abcam

Product datasheet

Anti-PDX1 antibody - C-terminal ab72324

画像数 1

製品の概要

製品名	Anti-PDX1 antibody - C-terminal
製品の詳細	Rabbit polyclonal to PDX1 - C-terminal
由来種	Rabbit
アプリケーション	**適用あり:** WB, ELISA
種交差性	**交差種:** Human
ポジティブ・コントロール	HepG2 cell line lysate.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.09% Sodium Azide Constituents: PBS
精製度	Ammonium Sulphate Precipitation
特記事項（精製）	ab72324 is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our Abpromise guarantee covers the use of **ab72324** in the following tested applications.

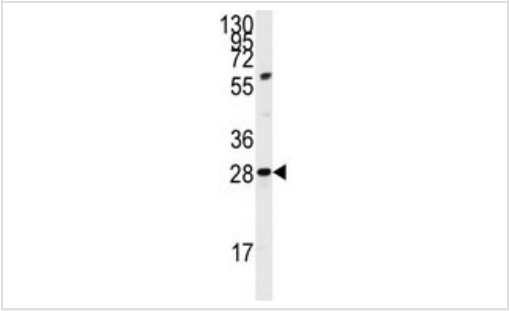
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/50 - 1/100. Detects a band of approximately 28 kDa (predicted molecular weight: 31 kDa).
ELISA		1/1000.

ターゲット情報

機能	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.
組織特異性	Duodenum and pancreas (Langerhans islet beta cells and small subsets of endocrine non-beta-cells, at low levels in acinar cells).
関連疾患	Defects in PDX1 are a cause of pancreatic agenesis (PAC) [MIM:260370]. This autosomal recessive disorder is characterized by absence or hypoplasia of pancreas, leading to early-onset insulin-dependent diabetes mellitus. This was found in a frameshift mutation that produces a truncated protein and results in a second initiation that produces a second protein that act as a dominant negative mutant. Defects in PDX1 are a cause of non-insulin-dependent diabetes mellitus (NIDDM) [MIM:125853]; also known as diabetes mellitus type 2. NIDDM is characterized by an autosomal dominant mode of inheritance, onset during adulthood and insulin resistance. Defects in PDX1 are the cause of maturity-onset diabetes of the young type 4 (MODY4) [MIM:606392]; also symbolized MODY-4. MODY is a form of diabetes that is characterized by an autosomal dominant mode of inheritance, onset in childhood or early adulthood (usually before 25 years of age), a primary defect in insulin secretion and frequent insulin-independence at the beginning of the disease.
配列類似性	Belongs to the Antp homeobox family. IPF1/XIHbox-8 subfamily. Contains 1 homeobox DNA-binding domain.
ドメイン	The Antp-type hexapeptide mediates heterodimerization with PBX on a regulatory element of the somatostatin promoter. The homeodomain, which contains the nuclear localization signal, not only mediates DNA-binding, but also acts as a protein-protein interaction domain for TCF3(E47), NEUROD1 and HMG-I(Y).
翻訳後修飾	Phosphorylated by the SAPK2 pathway at high intracellular glucose concentration.
細胞内局在	Nucleus.

画像



Western blot - PDX1 antibody - C-terminal (ab72324)

Anti-PDX1 antibody - C-terminal (ab72324) at 1/60 dilution + HepG2 cell line lysate at 35 µg

Predicted band size: 31 kDa
Observed band size: 28 kDa
Additional bands at: 60 kDa. We are unsure as to the identity of these extra bands.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit http://www.abcam.co.jp/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors