Product Datasheet

PDX1 Antibody

Catalog No: #31259

Package Size: #31259-1 50ul #31259-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PDX1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total PDX1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide peptide corresponding to a region derived from 18-31 amino acids of human pancreatic and duodenal homeobox 1
Target Name	PDX1
Other Names	pancreatic and duodenal homeobox 1, GSF, IPF1, IUF1, IDX-1, MODY4, PDX-1, STF-1
Accession No.	Genbank No.: NP_000200
Formulation	Supplied at 0.9mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

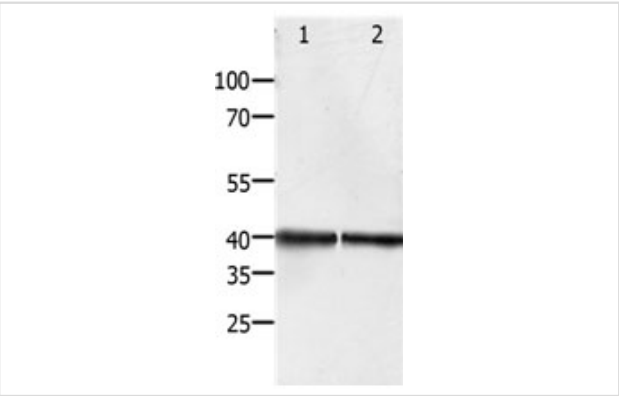
Predicted MW: 31kd

ELISA: 1:2000-1:5000

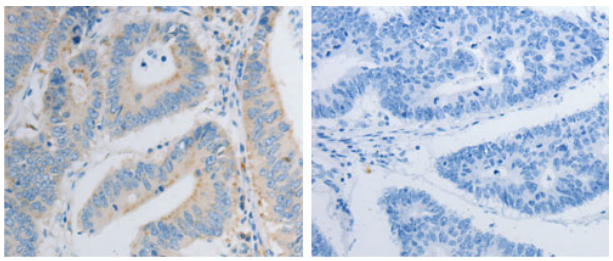
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:15-1:50

Images



Gel: 10% SDS-PAGE
Lane1: Hela cell lysate
Lane2: Jurkat cell lysate
Lysates: 40ug per lane
Primary antibody: 1/450 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/5000 dilution
Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using 31259 (PDX1 Antibody) at dilution 1/30, on the right is treated with the synthetic peptide.

Background

The protein encoded by this gene is a transcriptional activator of several genes, including insulin, somatostatin, glucokinase, islet amyloid polypeptide, and glucose transporter type 2. The encoded 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).

Published Papers

el at., Structure characterization of an arabinogalactan from green tea and its anti-diabetic effect.In Carbohydr Polym on 2015 Jun 25 by Huijun Wang , Songshan Shi et al..PMID:25839799, , (2015)

PMID:25839799

Note: This product is for in vitro research use only and is not intended for use in humans or animals.