

Rabbit Anti-PDX1 [EP139]: RM0160

Intended Use: For Research Use Only

Description: PDX1 (Pancreatic and duodenal homeobox 1), also known as insulin promoter factor 1, is a transcription factor necessary for pancreatic development and β -cell maturation. Mutations in the PDX-1 gene have been shown to cause pancreatic agenesis, maturity-onset diabetes of the young, and type II diabetes. PDX1 is initially expressed in the gut region of the embryo and selectively expressed in adult endocrine glands such as pancreatic beta-cells, Brunner's glands of the duodenum and pyloric endocrine cells of the stomach. In pancreas, PDX1 may be observed in a subset of exocrine and duct cells. Increased expression of PDX1 has been reported in tumors of the pancreas, colon and prostate, indicating that PDX1 may serve as a biomarker in patients with these malignancies.

Specifications:

Clone: EP139
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Nucleus
Formulation: Purified antibody with 0.2% BSA and 15mM sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
PDX1 Concentrated	RM0160	1 ml

IHC Procedure*:

Positive Control Tissue: Pancreas, duodenum
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.