A26329

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PDX1 Rabbit mAb

Catalog No.: A26329 Recombinant 1 Publications

Basic Information

Observed MW
50 kDa

Calculated MW
31 kDa

Category
Monoclonal Antibody

Applications
WB,ELISA,IHC

Cross-Reactivity
Human,Mouse,Rat

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 (IDDM), as well as maturity onset diabetes of the young type 4 (MODY4).

Recommended Dilutions

WB	1:500 - 1:1000
IHC	1:200 - 1:800
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
3651

Swiss Prot
P52945

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
GSF; IPF1; IUF1; IDX-1; MODY4; PDX-1; STF-1; PAGEN1

Contact

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Product Information

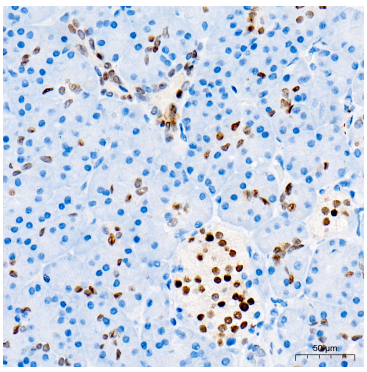
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using PDX1 Rabbit mAb (A26329) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.