

Anti-PDX1 Antibody (aa198-213)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17605

Product Information

Application	IHC-P, E
Primary Accession	P52945
Predicted	Human, Rabbit, Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	30771
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	3651
Alias Symbol	PDX1
Other Names	PDX1, Glucose-sensitive factor, Insulin upstream factor 1, IPF1, Insulin promoter factor 1, IPF-1, IUF-1, STF-1, GSF, IDX-1, Islet/duodenum homeobox-1, IUF1, MODY4, PDX-1
Target/Specificity	Recognizes human Pdx1. Species cross-reactivity: rodent.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-PDX1 Antibody (aa198-213) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PDX1
Synonyms	IPF1, STF1
Function	Activates insulin, somatostatin, glucokinase, islet amyloid polypeptide and glucose transporter type 2 gene transcription. Particularly involved in glucose-dependent regulation of insulin gene transcription. As part of a PDX1:PBX1b:MEIS2b complex in pancreatic acinar cells is involved in the transcriptional activation of the ELA1 enhancer; the complex binds to the enhancer B element and cooperates with the transcription factor 1 complex (PTF1) bound to the enhancer A element. 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.

Cellular Location

Nucleus. Cytoplasm, cytosol.

Tissue Location

Duodenum and pancreas (Langerhans islet beta cells and small subsets of endocrine non-beta-cells, at low levels in acinar cells)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.