

PDX1 Antibody (aa27-76)
Rabbit Polyclonal Antibody
Catalog # ALS16538**Specification**

PDX1 Antibody (aa27-76) - Product Information

Application	IHC
Primary Accession	P52945
Other Accession	3651
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	30771

PDX1 Antibody (aa27-76) - Additional Information**Gene ID** 3651**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

PDX1 Antibody detects endogenous levels of total PDX1 protein.

Reconstitution & Storage

PBS (without Mg²⁺, Ca²⁺), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol. Store at -20°C for up to one year.

Precautions

PDX1 Antibody (aa27-76) is for research use only and not for use in diagnostic or therapeutic procedures.

PDX1 Antibody (aa27-76) - 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)

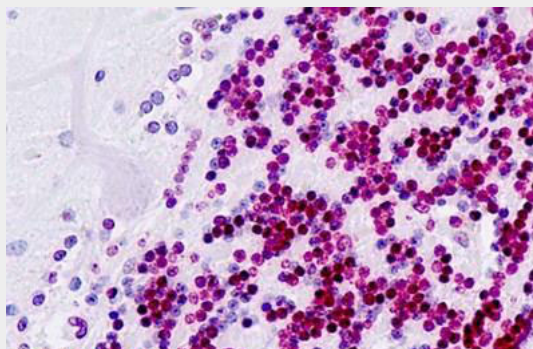
Volume

50 µl

PDX1 Antibody (aa27-76) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PDX1 Antibody (aa27-76) - Images

Anti-PDX1 / IPF1 antibody IHC staining of human brain, cerebellum.

PDX1 Antibody (aa27-76) - Background

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PDX1 Antibody (aa27-76) - References

Stoffel M., et al. Genomics 28:125-126(1995).

Inoue H.,et al.Diabetes 45:789-794(1996).

Hiroshi I.,et al.Submitted (JUN-1995) to the EMBL/GenBank/DDBJ databases.

Marshak S.,et al.Submitted (AUG-1996) to the EMBL/GenBank/DDBJ databases.

Hara M.,et al.Submitted (DEC-1997) to the EMBL/GenBank/DDBJ databases.