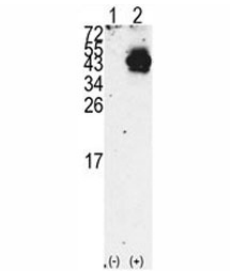
PDX1 Antibody / Pancreas/duodenum homeobox protein 1 (F50728)

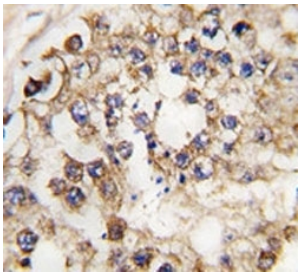
Catalog No.	Formulation	Size
F50728-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50728-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P52945
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50
Limitations	This PDX1 antibody is available for research use only.



Western blot analysis of PDX1 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the PDX1 gene (2). Observed molecular weight 31/40~46kDa (unmodified/modified).



IHC analysis of FFPE human testis tissue stained with PDX1 antibody

Description

PDX1 is a transcriptional activator of several genes, including insulin, somatostatin, glucokinase, islet amyloid polypeptide, and glucose transporter type 2. This 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 the gene encoding PDX1 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).

For a monoclonal PDX1 antibody with additional protein microarray validation, see our PDX1 Antibody PCRP-PDX1-2C11 / Insulin Promoter Factor 1 Antibody page.

Application Notes

Titration of the PDX1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 40-69 from the human protein was used as the immunogen for this PDX1 antibody.

Storage

Aliquot the PDX1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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