PDX1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PDX1, Polyclonal Antibody
Full Product Name	PDX1 (Pancreas/Duodenum Homeobox Protein 1, PDX-1, Glucose-sensitive Factor, GSF, Insulin Promoter Factor 1, IPF-1, Insulin Upstream Factor 1,
Product Gene Name	anti-PDX1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PDX1. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	Full length human PDX1, aa1-283 (AAI11593.1).
Immunogen Sequence	MNGEEQYYAATQLYKDPCAFQRGPAPEFSASPPACLYMGRQPPPPPPHPFPGALGALEQGSPPDISPYEVPPLADDPAVAHLHHHLPAQLALPHPPAGF
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-PDX1 antibody	Antibodies; Transcription Factors; Homeobox (HOX)
Applications Tested/Suitable for anti-PDX1 antibody	Western Blot (WB)
Application Notes for anti-PDX1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PDX1 antibody	PDX1, also known as Pancreas/duodenum homeobox protein 1, is a nuclear protein belonging to the Antp homeobox family and IPF1/XlHbox-8 subfan specifies the early pancreatic epithelium, permitting its proliferation, branching and subsequent differentiation. Expression is common in duodenum and II, and maturity onset diabetes of the young type 4 (MODY4).
Other Notes	Small volumes of anti-PDX1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa
Searchable Terms for PDX1 purchase	MBS6388948 is an antibody targeting PDX1. Also known as PDX1 (Pancreas/Duodenum Homeobox Protein 1, PDX-1, Glucose-sensitive Factor, GSF

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDX1. It may not necessarily be applicable to this product.

NCBI GI #	109939878
NCBI GeneID	3651
NCBI Accession #	BC111592
NCBI Related Accession #	AAI11593.1
UniProt Related Accession #	P52945
NCBI Official Full Name	Synthetic construct Homo sapiens clone IMAGE:40080548, MGC:133411 PDX1 protein (PDX1) mRNA, encodes complete protein
NCBI Official Synonym Full Names	pancreatic and duodenal homeobox 1
NCBI Official Symbol	PDX1
NCBI Official Synonym Symbols	GSF; IPF1; IUF1; IDX-1; MODY4; PDX-1; STF-1; PAGEN1
Protein Family	Pancreas/duodenum homeobox protein
NCBI Protein Information	pancreas/duodenum homeobox protein 1
NCBI Summary for PDX1	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). [provided by RefSeq, Aug 2017]
Research Articles on PDX1	**1.** Point mutations in PDX1 transactivation domain disrupt beta-cell differentiation and insulin secretion.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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