



Human PDX1 blocking peptide (CDBP2446)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Pyruvate dehydrogenase/PDHX antibody
Antigen Description	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 (NIDDM), as well as maturity onset diabetes of the young type 4 (MODY4). [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PDX1 pancreatic and duodenal homeobox 1 [Homo sapiens]
Official Symbol	PDX1
Synonyms	PDX1; pancreatic and duodenal homeobox 1; insulin promoter factor 1, homeodomain

transcription factor , IPF1; pancreas/duodenum homeobox protein 1; IDX 1; MODY4; PDX 1; somatostatin transcription factor 1; STF 1; IPF-1; IUF-1; glucose-sensitive factor; insulin upstream factor 1; islet/duodenum homeobox-1; pancreatic-duodenal homeobox factor 1; somatostatin-transactivating factor 1; insulin promoter factor 1, homeodomain transcription factor; GSF; IPF1; IUF1; IDX-1; PDX-1; STF-1;

Entrez Gene ID	3651
mRNA Refseq	NM_000209
Protein Refseq	NP_000200
UniProt ID	P52945
Chromosome Location	13q12.1
Pathway	Developmental Biology, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Regulation of beta-cell development, organism-specific biosystem; Regulation of gene expression in beta cells, organism-specific biosystem; Regulation of gene expression in early pancreatic precursor cells, organism-specific biosystem;
Function	chromatin binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;