

Rabbit anti-Human PDX1 Polyclonal Antibody | anti-PDX1 antibody

PDX1 Antibody

CATALOG # AAA301422	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

PDX1; Polyclonal Antibody; PDX1 Antibody; pancreatic and duodenal homeobox 1; GSF; IPF1; IUF1; IDX-1; MODY4; PDX-1; STF-1; anti-PDX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total PDX1 protein.
Form/Format	Supplied at 0.9mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	283
Applicable Applications for anti-PDX1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide peptide corresponding to a region derived from 18-31 amino acids of human pancreatic and duodenal homeobox 1
Target Name	PDX1
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using 31259 (PDX1 Antibody) at dilution 1/30, on the right is treated with the synthetic peptide.



Application Data

Gel: 10% SDS-PAGE
Lane1: HeLa cell lysate
Lane2: Jurkat cell lysate
Lysates: 40ug per lane
Primary antibody: 1/450 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/5000 dilution
Exposure time: 1 minute

ADDITIONAL INFORMATION

Related Product Information for anti-PDX1 antibody	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).
Product Categories/Family for anti-PDX1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557673
NCBI GeneID	3651
NCBI Accession #	NP_000200
NCBI GenBank Nucleotide #	NM_000209.3
Molecular Weight	30,771 Da
NCBI Official Full Name	pancreas/duodenum homeobox protein 1
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
NCBI Protein Information	pancreas/duodenum homeobox protein 1
UniProt Protein Name	Pancreas/duodenum homeobox protein 1
UniProt Gene Name	PDX1
UniProt Synonym Gene Names	IPF1; STF1; PDX-1; GSF; IPF-1; IUF-1; IDX-1; STF-1
UniProt Entry Name	PDX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdx1-antibody-immunohistochemistry-western-blot-elisa/301422>