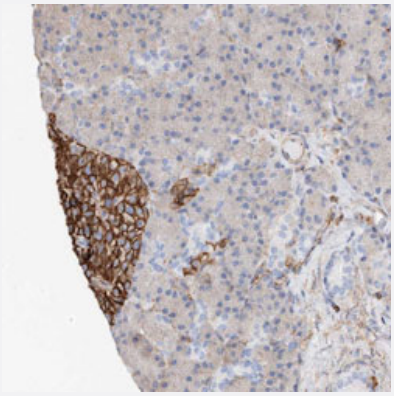
WFS1 polyclonal antibody

Catalog # PAB31000 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with WFS1 polyclonal antibody (Cat # PAB31000) shows strong membrane and cytoplasmic positivity in islet cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human WFS1.
Immunogen	Recombinant protein corresponding to human WFS1.
Sequence	KHPCHIKKFDRYKFEITVGMPFSSGADGSRSREEDDVTKDIVLRASSEFKSVLLSLRQGSLIEFSTI LEGRLGSKWPVFELKAISCLNCMAQLSPTRRHVKIEHDW
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — WFS1

Entrez GeneID	7466
Protein Accession#	O76024
Gene Name	WFS1
Gene Alias	DFNA14, DFNA38, DFNA6, DIDMOAD, WFRS, WFS, WOLFRAMIN
Gene Description	Wolfram syndrome 1 (wolframin)
Omim ID	222300 600965 606201
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transmembrane protein, which is located primarily in the endoplasmic reticul um and ubiquitously expressed with highest levels in brain, pancreas, heart, and insulinoma beta-cell lines. Mutations in this gene are associated with Wolfram syndrome, also called DIDMOAD (Diabetes Insipidus, Diabetes Mellitus, Optic Atrophy, and Deafness), an autosomal recessive dis order. The disease affects the brain and central nervous system. Mutations in this gene can also c ause autosomal dominant deafness 6 (DFNA6), also known as DFNA14 or DFNA38. Alternativel y spliced transcript variants have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000115499|wolframin

Disease

- Asperger Syndrome
- Autistic Disorder

- Bipolar Disorder
- Birth Weight
- Carcinoma
- Cardiovascular Diseases
- Deafness
- Diabetes
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Glucose Intolerance
- Glucose Metabolism Disorders
- Headache
- Hearing Loss
- HIV Infections
- Hyperinsulinism
- Insulin Resistance
- Kidney Failure
- Mood Disorders
- Obesity
- Parkinson disease
- Prediabetic State
- Prostatic Neoplasms
- Social Perception
- Weight Gain
- Wolfram Syndrome