

Rabbit PTF1A Polyclonal Antibody | anti-PTF1A antibody

PTF1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233281	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, ELISA

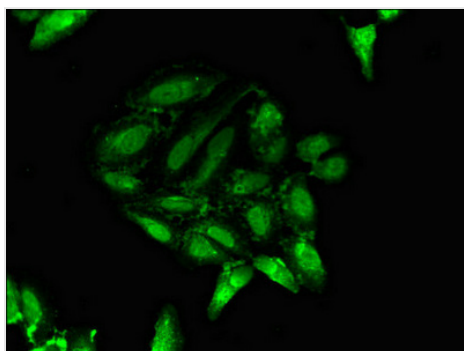
PRODUCT SYNONYMS

PTF1A; Polyclonal Antibody; PTF1A Antibody; Pancreas transcription factor 1 subunit alpha; Class A basic helix-loop-helix protein 29; bHLHa29; Pancreas-specific transcription factor 1a; bHLH transcription factor p48; p48 DNA-binding subunit of transcription factor PTF1; PTF1-p48; BHLHA29; PTF1P48; anti-PTF1A antibody

PRODUCT SPECIFICATIONS

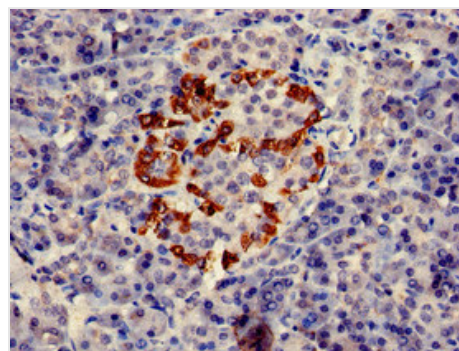
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	328
Applicable Applications for anti-PTF1A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Pancreas transcription factor 1 subunit alpha protein (224-325AA)
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience
Target Names	PTF1A
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



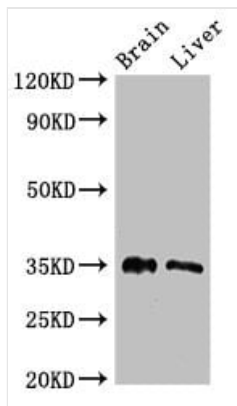
IHC (Immunohistochemistry)

Immunofluorescent analysis of HeLa cells using AAA233281 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human pancreatic tissue using AAA233281 at dilution of 1:100



WB (Western Blot)

Western Blot Positive WB detected in: Mouse brain tissue, Rat liver tissue
 All lanes: PTF1A antibody at 2.7ug/ml
 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution
 Predicted band size: 35 KDa
 Observed band size: 35 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-PTF1A antibody	Transcription factor implicated in the cell fate determination in various organs. Binds to the E-box consensus sequence 5'-CANNTG-3'. Plays a role in early and late pancreas development and differentiation. Important for determining whether cells allocated to the pancreatic buds continue towards pancreatic organogenesis or revert back to duodenal fates. May be involved in the maintenance of exocrine pancreas-specific gene expression including ELA1 and amylase. Required for the formation of pancreatic acinar and ductal cells. Plays an important role in cerebellar development. Directly regulated by FOXN4 and RORC during retinal development, FOXN4-PTF1A pathway plays a central role in directing the differentiation of retinal progenitors towards horizontal and amacrine fates.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	30039710
NCBI GeneID	256297
NCBI Accession #	NP_835455.1
NCBI GenBank Nucleotide #	NM_178161.2
UniProt Accession #	Q7RTS3; Q9HC25
NCBI Official Full Name	pancreas transcription factor 1 subunit alpha
NCBI Official Synonym Full Names	pancreas specific transcription factor, 1a
NCBI Official Symbol	PTF1A
NCBI Official Synonym Symbols	PACA; PAGEN2; bHLHa29; PTF1-p48
NCBI Protein Information	pancreas transcription factor 1 subunit alpha
UniProt Protein Name	Pancreas transcription factor 1 subunit alpha
UniProt Gene Name	PTF1A
UniProt Synonym Gene Names	BHLHA29; PTF1P48; bHLHa29; PTF1-p48

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.