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PTF1A Rabbit mAb

Catalog # AP74876

Product Information

Application	WB, IP
Primary Accession	Q9QX98
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	35185

Additional Information

Gene ID	19213
Other Names	Ptf1A
Dilution	WB~~1:500-1:1000 IP~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

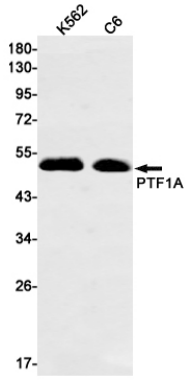
Name	Ptf1a
Synonyms	Ptf1p48
Function	Transcription factor implicated in the cell fate determination in various organs (PubMed:11562365, PubMed:12185368, PubMed:15543146, PubMed:17075007, PubMed:9851981). Binds to the E-box consensus sequence 5'-CANNTG-3' (PubMed:11562365, PubMed:12185368, PubMed:9851981). Plays a role in early and late pancreas development and differentiation (PubMed:11562365, PubMed:21852532). Important for determining whether cells allocated to the pancreatic buds continue towards pancreatic organogenesis or revert back to duodenal fates (PubMed:11562365, PubMed:12185368, PubMed:9851981). May be involved in the maintenance of exocrine pancreas-specific gene expression including ELA1 and amylase (PubMed:11562365, PubMed:12185368, PubMed:9851981). Required for the formation of pancreatic acinar and ductal cells (PubMed:11562365). Plays an important role in cerebellar development

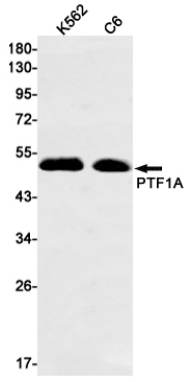
	(PubMed:15543146). Directly regulated by FOXN4 and RORC during retinal development, FOXN4-PTF1A pathway plays a central role in directing the differentiation of retinal progenitors towards horizontal and amacrine fates (PubMed:17075007).
Cellular Location	Nucleus. Cytoplasm. Note=In the cytoplasm loses its ability to form the PTF1 complex
Tissue Location	Expressed in precursors of pancreatic islets, acini and ducts.

Background

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.

Images





Western blot analysis of PTF1A in K562, C6 lysates using PTF1A antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.