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PTF1A Rabbit mAb

Catalog # AP74876

Product Information

Application	WB, IP
Primary Accession	Q9QX98
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	35185

Additional Information

Gene ID	19213
Other Names	Ptf1A
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

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.

Images