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anti-PDX1 antibody (AA 136-169)





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0.0	
Quantity:	400 μL
Target:	PDX1
Binding Specificity:	AA 136-169
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)
Product Details	
Immunogen:	This Mouse Pdx1 antibody is generated from a rabbit immunized with a KLH conjugated
	synthetic peptide between 136-169 amino acids from the Central region of Mouse Pdx1.
Clone:	RB51197
Isotype:	lg Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	PDX1
Alternative Name:	Pdx1 (PDX1 Products)
Background:	Activates insulin and somatostatin gene transcription. Key regulator of islet peptide hormone

Target Details

expression but also responsible for the development of the pancreas, most probably by determining maturation and differentiation of common pancreatic precursor cells in the developing gut. As part of a PDX1:PBX1b:MEIS2b complex in pancreatic acinar cells is involved in the transcriptional activation of the ELA1 enhancer, the complex binds to the enhancer B element and cooperates with the transcription factor 1 complex (PTF1) bound to the enhancer A element. Binds the DNA sequence 5'-CC[CT]TAATGGG-3'.

Molecular Weight: 30999

UniProt: P52946

Pathways: Nuclear Receptor Transcription Pathway, Positive Regulation of Peptide Hormone Secretion,

Steroid Hormone Mediated Signaling Pathway, Hormone Transport, Carbohydrate Homeostasis

, Chromatin Binding, Maintenance of Protein Location

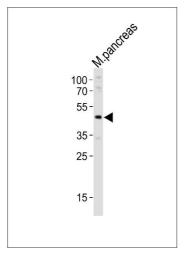
Application Details

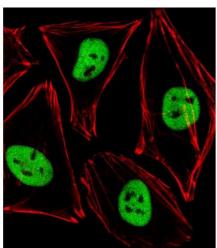
Application Notes: IF: 1:25. WB: 1:1000

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months





Western Blotting

Image 1. Western blot analysis of lysate from mouse pancreas tissue lysate, using Pdx1 Antibody (Center) (ABIN6242401 and ABIN6577853). (ABIN6242401 and ABIN6577853) was diluted at 1:1000. A goat anti-rabbit lgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20 μ g.

Immunofluorescence

Image 2. Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0. 1% Triton X-100 permeabilized Hela (Human Cervical epithelial adenocarcinoma cell line) cells labeling Pdx1 with (ABIN6242401 and ABIN6577853) at 1/25 dilution, followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (1583138) secondary antibody at 1/400 dilution (green). Confocal image showing nuclear staining on Hela cell line. Cytoplasmic actin is detected with Alexa Fluor® 555 conjugated with Phalloidin (OB16636430) at 1/100 dilution (red).