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Datasheet for ABIN7127485 Recombinant anti-FBP1 antibody

Image



Overview

Quantity:	100 µL
Target:	FBP1
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This FBP1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A synthesized peptide derived from human FBP1
Clone:	4G3
lsotype:	lgG
Cross-Reactivity:	Human
Purification:	Affinity-chromatography

Target Details

Target:	FBP1
Alternative Name:	FBP1 (FBP1 Products)
Background:	Background: Catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate in

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Target Details

	the presence of divalent cations, acting as a rate-limiting enzyme in gluconeogenesis. Plays a
	role in regulating glucose sensing and insulin secretion of pancreatic beta-cells. Appears to
	modulate glycerol gluconeogenesis in liver. Important regulator of appetite and adiposity,
	increased expression of the protein in liver after nutrient excess increases circulating satiety
	hormones and reduces appetite-stimulating neuropeptides and thus seems to provide a
	feedback mechanism to limit weight gain.
	Aliases: Fructose-1,6-bisphosphatase 1 (FBPase 1) (EC 3.1.3.11) (D-fructose-1,6-bisphosphate
	1-phosphohydrolase 1) (Liver FBPase), FBP1, FBP
UniProt:	P09467
Pathways:	Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process, Dicarboxylic
	Acid Transport
Application Details	
Application Notes:	Recommended dilution: IHC:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid

Buffer:	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7127485 diluted at 1:100 and staining in paraffin-embedded human pancreatic tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05 % DAB.

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