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## Datasheet for ABIN7153160 anti-FFAR1 antibody (AA 143-178) (Biotin)



Overview

Quantity:	100 µg
Quantity.	
Target:	FFAR1
Binding Specificity:	AA 143-178
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FFAR1 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Free fatty acid receptor 1 protein (143-178AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	FFAR1
Alternative Name:	FFAR1 (FFAR1 Products)
Background:	Background: G-protein coupled receptor for medium and long chain saturated and unsaturated
	fatty acids that plays an important role in glucose homeostasis. Fatty acid binding increases

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## Target Details

	glucose-stimulated insulin secretion, and may also enhance the secretion of glucagon-like
	peptide 1 (GLP-1). May also play a role in bone homeostasis, receptor signaling activates
	pathways that inhibit osteoclast differentiation (By similarity). Ligand binding leads to a
	conformation change that triggers signaling via G-proteins that activate phospholipase C,
	leading to an increase of the intracellular calcium concentration. Seems to act through a $G(q)$
	and G(i)-mediated pathway.
	Aliases: FFA1R antibody, FFAR 1 antibody, Ffar1 antibody, FFAR1_HUMAN antibody, Free fatty
	acid receptor 1 antibody, G protein coupled receptor 40 antibody, G-protein coupled receptor 40
	antibody, GPCR40 antibody, GPR 40 antibody, GPR40 antibody
UniProt:	014842
Pathways:	Positive Regulation of Peptide Hormone Secretion, Hormone Transport, Peptide Hormone
	Metabolism, Carbohydrate Homeostasis
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: 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.