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Datasheet for ABIN7153162  
**anti-FFAR1 antibody (AA 143-178) (HRP)**

### Overview

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

### Product Details

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

### Target Details

Target:	FFAR1
Alternative Name:	FFAR1 ( <a href="#">FFAR1 Products</a> )
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

## Target Details

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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

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UniProt: [O14842](#)

Pathways: [Positive Regulation of Peptide Hormone Secretion](#), [Hormone Transport](#), [Peptide Hormone Metabolism](#), [Carbohydrate Homeostasis](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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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.