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Datasheet for ABIN1701125  
**anti-FFAR1 antibody (AA 121-220) (Biotin)**

## Overview

Quantity:	100 µL
Target:	FFAR1
Binding Specificity:	AA 121-220
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FFAR1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GPR40
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Pig
Purification:	Purified by Protein A.

## Target Details

Target:	FFAR1
Alternative Name:	GPR40 ( <a href="#">FFAR1 Products</a> )

## Target Details

Background:	<p>Synonyms: FFA1R, GPR40, GPCR40, Free fatty acid receptor 1, G-protein coupled receptor 40, FFAR1</p> <p>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 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.</p>
Gene ID:	2864
UniProt:	<a href="#">O14842</a>
Pathways:	<a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Hormone Transport</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Carbohydrate Homeostasis</a>

## Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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
Storage Comment:	Store at -20°C for 12 months.

## Handling

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Expiry Date: 12 months