

Datasheet for ABIN1433700
anti-O3FAR1 antibody (PE-Cy5.5)



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Overview

Quantity:	100 µL
Target:	O3FAR1
Reactivity:	Human, Mouse, Rat, Cow, Pig, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This O3FAR1 antibody is conjugated to PE-Cy5.5
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human G protein coupled receptor 120
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	O3FAR1
Alternative Name:	GPR120 (O3FAR1 Products)
Background:	Synonyms: G protein coupled receptor 120, GPCR GPR120, G protein coupled receptor 129, G protein coupled receptor GT01, G protein coupled receptor PGR 4, G protein coupled receptor

Target Details

PGR4, G-protein coupled receptor 120, G-protein coupled receptor 129, G-protein coupled receptor GT01, G-protein coupled receptor PGR4, GPR 120, GPR 129, GPR120, GPR129, GT01, HGNC:19345, MGC119984, O3FA1_HUMAN, O3FAR1, Omega-3 fatty acid receptor 1, PGR 4, PGR4, GPCR120.

Background: GPR120, a member of the rhodopsin family of G protein-coupled receptors (GPCRs), is a 377 amino acid protein which is expressed in the intestine. GPR120 is a receptor for unsaturated long-chain FFAs (free fatty acids). FFAs act as signaling molecules and are an important energy source. They also employ various physiological responses through their GPCRs. One such response occurs when dietary FFAs stimulate GPR120. This stimulation promotes the secretion of glucagon-like peptide 1 (GLP-1) in vivo and in vitro. GLP-1 belongs to the class of molecules known as the incretins, which are associated with insulin secreted from the pancreas as a result of food intake. GLP-1 also inhibits glucagon and gastric acid secretion and gastric emptying. Consequently, the role of GPR120 in the secretion of GLP-1 is critical in the treatment of diabetes.

Molecular Weight:	42kDa
Gene ID:	338557
UniProt:	Q5NUL3
Pathways:	Hormone Transport

Application Details

Restrictions:	For Research Use only
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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:	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

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months