

## Anti-GPR120 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Dog, Pig, Cow, Rabbit)
Molecular Weight:	Theoretical: 42 kDa.
Purification:	Protein A purified

## Applications

Application:	ELISA, ICC/IF, WB
Recommended	WB: 1:500-2000; ICC/IF: 1:100-500; ELISA: 1:5000-10000

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human G protein coupled receptor 120
Antigen Species:	Human
Gene ID:	338557
Uniprot ID:	Q5NUL3
Synonyms:	O3FA1; MGC119984; GT01; GPR129; G protein coupled receptor GT01; HGNC:19345; Omega-3 fatty acid receptor 1; PGR4; GPR 120; G protein coupled receptor 129; GPCR GPR120; G protein coupled receptor PGR4; GPR 129; G protein coupled receptor PGR 4; GPR120; O3FAR1; G protein coupled receptor 120; PGR 4
Biology Area:	Lipid metabolism, GPCR

## Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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