

## Anti-FFAR3/GPR41 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	(predicted:Human)
Molecular Weight:	Theoretical: 39 kDa.
Purification:	Protein A purified

## Applications

Application:	ELISA,ICC/IF,IF,IHC-Fr,IHC-P
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100-500; 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 FFAR3
Antigen Species:	Human
Gene ID:	2865
Uniprot ID:	O14843
Synonyms:	FFA3R;GPR41;gpcr41;Free fatty acid receptor 3;FFAR3;G protein coupled receptor 41
Biology Area:	Binding proteins,Fatty acids,Fatty acid oxidation

## Research Background

G protein-coupled receptors (GPRs), also known as seven transmembrane receptors, heptahelical receptors or 7TM receptors, comprise a superfamily of proteins that play a role in many different stimulus-response pathways. GPRs translate extracellular signals into intracellular signals (a process called G-protein activation) and they respond to a variety of signaling molecules, such as hormones and neurotransmitters. GPR41 (G-protein coupled receptor 41), also known as FFAR3 (Free fatty acid receptor 3), is a 346 amino acid multi-pass membrane protein that belongs to the G protein-coupled receptor family. Expressed at high levels in adipose tissue and at lower levels throughout the body, GPR41 functions as a receptor for short chain fatty acids via elevation of intracellular calcium levels and inhibition of adenylyl cyclase.

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

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