BT LAB
Bioassay Technology Laboratory
Optimize Your Research

GPR40 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03747
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human FFAR1. AA range:185-234
Mol wt	31457
Species reactivity	Human, Monkey
Clonality	Polyclonal
Recommended application	WB, IF, ELISA
Concentration	1 mg/ml
Full name	GPR40 Antibody
Synonyms	FFAR1; GPR40; Free fatty acid receptor 1; G-protein coupled receptor 40

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

FFAR1 encodes a member of the GP40 family of G protein-coupled receptors that are clustered together on chromosome 19. The free fatty acid receptor 1 is a receptor for medium and long chain free fatty acids and may be involved in the metabolic regulation of insulin secretion. Polymorphisms in this gene may be associated with type 2 diabetes.

Recommended Dilution

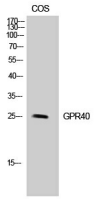
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

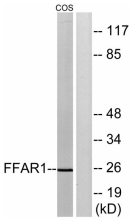
ELISA: 1: 10000

Not yet tested in other applications.

Images

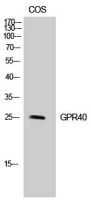


Western Blot analysis of COS7 cells using GPR40 Polyclonal Antibody diluted at 1:500

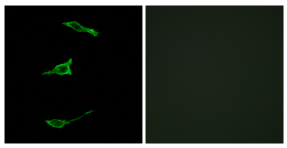


Western blot analysis of lysates from COS7 cells, treated with forskolin 40nM 30', using FFAR1 Antibody. The lane on the right is blocked with the synthesized peptide.

Western blot analysis of Mouse-kidney lysis using GPR40 antibody. Antibody was diluted at 1:500



Western Blot analysis of COS-7 cells using GPR40 Polyclonal Antibody diluted at 1:500



Immunofluorescence analysis of LOVO cells, using FFAR1 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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