

For Research Use Only

# FFAR2 Recombinant antibody

Catalog Number: 84544-1-RR



## Basic Information

Catalog Number:

84544-1-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC096198

GeneID (NCBI):

2867

UNIPROT ID:

O15552

Full Name:

free fatty acid receptor 2

Calculated MW:

330 aa, 37 kDa

Observed MW:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

241696B4

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : THP-1 cells, HCT 116 cells, HT-29 cells

## Background Information

Free fatty acid receptors (FFAR) play significant roles in various physiological processes through interaction with their ligands, fatty acids. Free fatty acid receptor 2 (FFAR2, also known as FFA2 or GPR43) is a receptor for short-chain fatty acids (SCFAs) and plays a role in the regulation of whole-body energy homeostasis and intestinal immunity (PMID: 12684041). It has been considered a therapeutic target for metabolic and inflammatory conditions (PMID: 23589301). FFAR2 has a calculated molecular weight of 37 kDa and can be glycosylated. The higher apparent molecular weight of 50 kDa has been reported, probably due to glycosylation (PMID: 31707282; 28131568).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

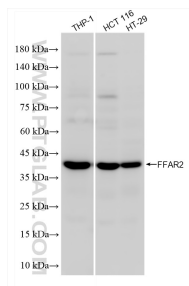
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84544-1-RR (FFAR2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.