

For Research Use Only

# FFAR2 Recombinant antibody

Catalog Number: 84544-1-RR



## Basic Information

**Catalog Number:**

84544-1-RR

**Size:**

1000 µg/ml

**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

IF-P 1:50-1:500

## Applications

**Tested Applications:**

WB, IF-P, ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

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

IF-P : mouse brain tissue,

## 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

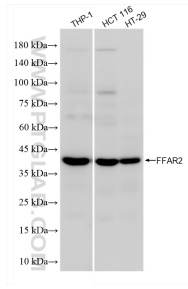
T: 4006900926

E: Proteintech-CN@ptglab.com

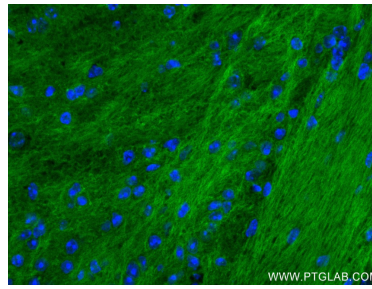
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## Selected Validation Data



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.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using FFAR2 antibody (84544-1-RR, Clone: 241696B4) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).