For Research Use Only

FFAR2 Recombinant antibody, PBS Only

Catalog Number:84544-1-PBS

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Basic Information

Catalog Number:
84544-1-PBS

Size:
1 mg/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 purfication

CloneNo.:
241696B4

Applications

Tested Applications:
WB, IF-P, Indirect ELISA

Species Specificity:
human, mouse

Background Information

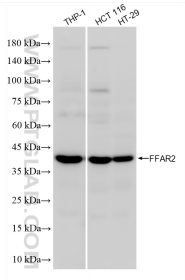
Free fatty acid receptors (FFAR) play significant roles in various physiological processes through interaction with their ligands, fatty acids. Free fatty acid receptor 2 (FFAR2, also known as FFA2 or GPR43) is a receptor for short-chain fatty acids (SCFAs) and plays a role in the regulation of whole-body 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

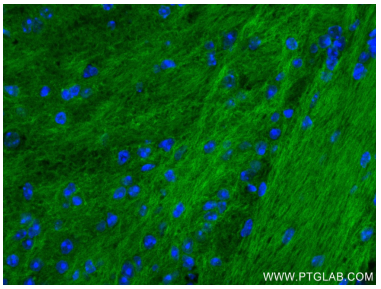
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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. This data was developed using the same antibody clone with 84544-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84544-1-PBS in a different storage buffer formulation.