For Research Use Only

FFAR2 Polyclonal antibody

Catalog Number:21765-1-AP 1 Publications

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Basic Information

Catalog Number:
21765-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG16367

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:
37-50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:1000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, ELISA

Species Specificity:
human, mouse

Cited Species:
mouse

Positive Controls:

WB : mouse colon 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).

Notable Publications

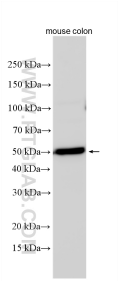
Author	Pubmed ID	Journal	Application
Chia-Pei Hsieh	41342448	Mol Nutr Food Res	WB,ELISA

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

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



Mouse colon tissue was subjected to SDS PAGE followed by western blot with 21765-1-AP (FFAR2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.