For Research Use Only

FFAR2 Polyclonal antibody

Catalog Number:19952-1-AP Featured Product 13 Publications

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Basic Information

Catalog Number:
19952-1-AP

Size:
150ul , Concentration: 600 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_005306

GeneID (NCBI):
2867

UNIPROT ID:
O15552

Full Name:
free fatty acid receptor 2

Calculated MW:
37 kDa

Observed MW:
50 kDa, 37 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IP

Species Specificity:
human, pig

Cited Species:
human, rat, mouse, pig

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : THP-1 cells, pig liver tissue

IHC : human spleen tissue, human 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
Zhengjun Xie	36364738	Nutrients	WB
Xinjun Lin	33817264	Open Life Sci	WB
Jian Fang	35297435	Food Funct	WB

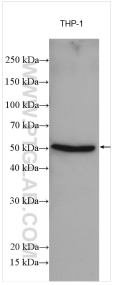
Storage

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

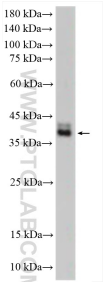
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

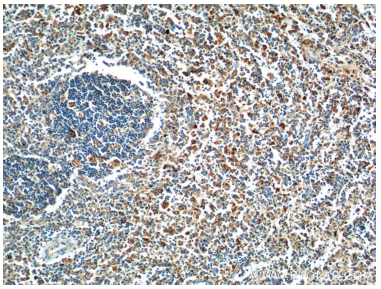
Selected Validation Data



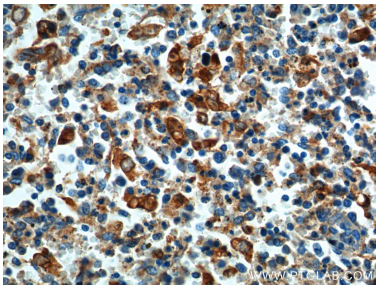
THP-1 cells were subjected to SDS PAGE followed by western blot with 19952-1-AP (FFAR2 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



THP-1 cells were subjected to SDS PAGE followed by western blot with 19952-1-AP (FFAR2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 19952-1-AP (FFAR2 Antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 19952-1-AP (FFAR2 Antibody) at dilution of 1:100 (under 40x lens).