

For Research Use Only

# FFAR3 Monoclonal antibody, PBS Only



Catalog Number: 66811-1-PBS

## Basic Information

Catalog Number: 66811-1-PBS	GenBank Accession Number: BC035657	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 2865	CloneNo.: 1D10B7
Source: Mouse	UNIPROT ID: O14843	
Isotype: IgG1	Full Name: free fatty acid receptor 3	
Immunogen Catalog Number: AG28025	Calculated MW: 39 kDa	
	Observed MW: 40-48 kDa	

## Applications

Tested Applications:  
WB, IHC, IF, ELISA

Species Specificity:  
Human

## Background Information

FFAR3 (Free fatty acid receptors 3) also known as GPR41, with another GPR43 protein, both are Gai-coupled receptor activated by short-chain fatty acids (SCFAs) such as acetate, propionate, and butyrate (PMID:26870043). GPR41 protein is translated from the bicistronic mRNA encoding GPR40 and GPR41, where an internal ribosome entry site (IRES) is utilized for the GPR41 coding sequence downstream of GPR40 (PMID:22493486). GPR41 is expressed in adipose tissue, gut, and the peripheral nervous system, and it is involved in SCFA-dependent energy regulation (PMID: 24904531).

## 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:

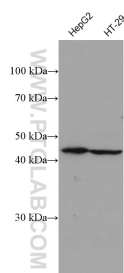
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

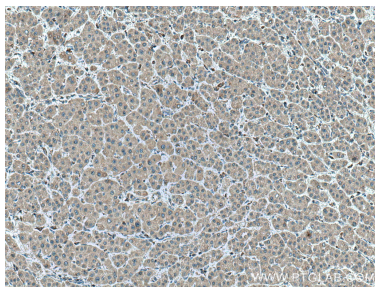
W: [ptgcn.com](http://ptgcn.com)

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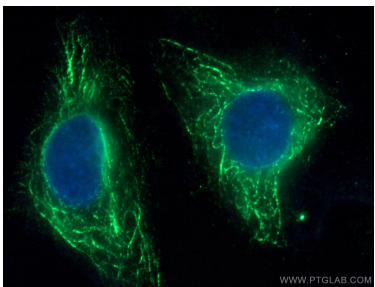
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66811-1-Ig (FFAR3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66811-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66811-1-Ig (FFAR3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66811-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using 66811-1-Ig (FFAR3 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66811-1-PBS in a different storage buffer formulation.