

For Research Use Only

# FAAH Monoclonal antibody

Catalog Number: 67607-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67607-1-Ig	<b>GenBank Accession Number:</b> BC093632	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2166	<b>CloneNo.:</b> 3C5B5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O00519	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> fatty acid amide hydrolase	
<b>Immunogen Catalog Number:</b> AG12720	<b>Calculated MW:</b> 579 aa, 63 kDa	
	<b>Observed MW:</b> 55-65 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> mouse brain tissue, JAR cells, LNCaP cells, rabbit brain tissue, pig liver tissue, rat liver tissue
<b>Species Specificity:</b> Human, rat, rabbit, pig, mouse	<b>IHC :</b> human liver cancer tissue, human prostate cancer tissue
<b>Cited Species:</b> mouse	<b>IF/ICC :</b> LNCaP cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Fatty acid amide hydrolase (FAAH) is a membrane-bound homodimeric enzyme that in vivo controls content and biological activity of N-arachidonylethanolamine (AEA) and other relevant bioactive lipids termed endocannabinoids. (PMID: 32041998) This antibody is specific for FAAH protein.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yiyi Cai	39151841	Mol Cell Neurosci	WB

## Storage

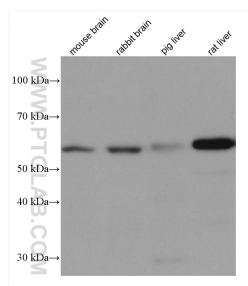
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

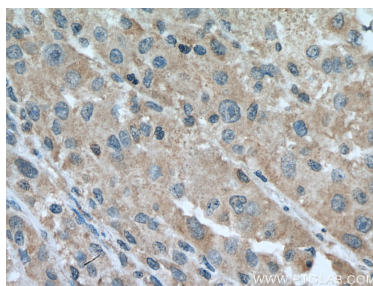
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

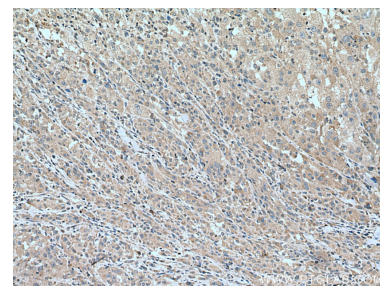
## Selected Validation Data



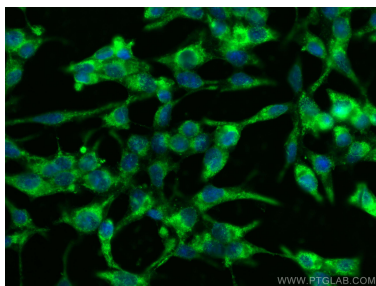
Various lysates were subjected to SDS PAGE followed by western blot with 67607-1-Ig (FAAH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67607-1-Ig (FAAH antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67607-1-Ig (FAAH antibody) at dilution of 1:2000 (under 410x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed LNCaP cells using FAAH antibody (67607-1-Ig, Clone: 3C5B5) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).