

For Research Use Only

# FTO Monoclonal antibody

Catalog Number: 68111-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 68111-1-Ig	<b>GenBank Accession Number:</b> NM_001080432	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79068	<b>CloneNo.:</b> 1E8B1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9C0B1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> fat mass and obesity associated	
<b>Immunogen Catalog Number:</b> AG26095	<b>Calculated MW:</b> 58 kDa	
	<b>Observed MW:</b> 58 kDa	

## Applications

<b>Tested Applications:</b> WB, FC, IHC, ELISA	<b>Positive Controls:</b> WB : LNCaP cells, NIH/3T3 cells, pig brain tissue, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells IHC : mouse brain tissue, human liver cancer tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, Mouse, Pig	
<b>Cited Species:</b> human, pig	
<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

Fat mass and obesity-associated protein (FTO) has efficient oxidative demethylation activity targeting the abundant N6-methyladenosine (m6A) residues in RNA in vitro. Variants in the FTO (fat mass and obesity associated) gene are associated with increased body mass index in humans.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yang Wang	36333630	Apoptosis	WB
Jian Jin	38346619	Int J Biol Macromol	WB

## Storage

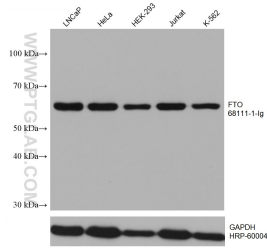
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

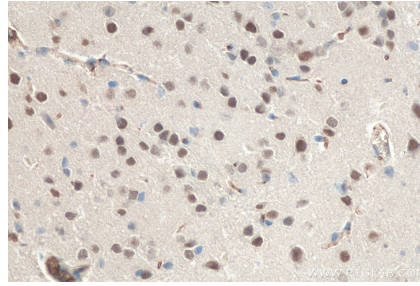
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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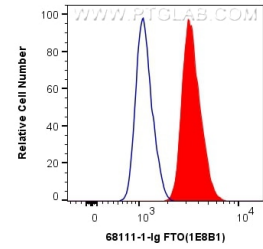
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68111-1-Ig (FTO antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68111-1-Ig (FTO antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.4 ug Anti-Human FTO (68111-1-Ig, Clone:1E8B1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (MPC-11) (65128-1-Ig, Clone: MPC-11) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).