For Research Use Only

FTO Monoclonal antibody, PBS Only

Catalog Number:68111-1-PBS

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
68111-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG26095

GenBank Accession Number:
NM_001080432

GeneID (NCBI):
79068

UNIPROT ID:
Q9C0B1

Full Name:
fat mass and obesity associated

Calculated MW:
58 kDa

Observed MW:
58 kDa

Purification Method:
Protein A purification

CloneNo.:
1E8B1

Applications

Tested Applications:
WB, IHC, FC (Intra), Indirect ELISA

Species Specificity:
human, mouse, pig

Background Information

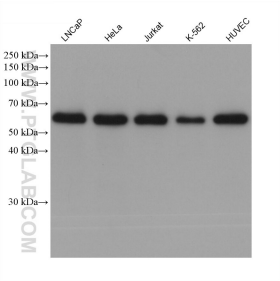
Fat mass and obesity-associated protein (FTO) has efficient oxidative demethylation activity targeting the abundant N6-methyladenosine (m6A) residues in RNA in vitro. Variants in the FTO (fat mass and obesity associated) gene are associated with increased body mass index in humans.

Storage

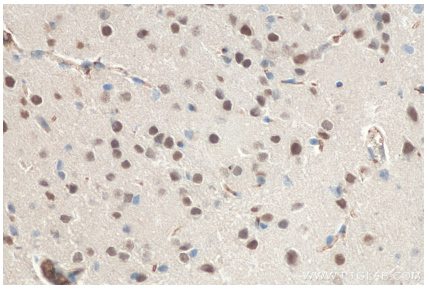
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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

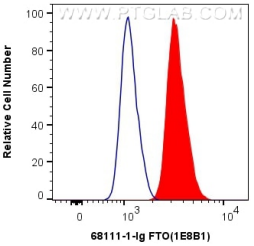
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68111-1-Ig (FTO antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68111-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68111-1-PBS in a different storage buffer formulation.



1X10^6 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). This data was developed using the same antibody clone with 68111-1-PBS