

For Research Use Only

FTO Monoclonal antibody, PBS Only

Catalog Number: 68111-1-PBS



Basic Information

Catalog Number:	68111-1-PBS	GenBank Accession Number:	NM_001080432	Purification Method:	Protein A purification
Concentration:	7739 µg/ml	GeneID (NCBI):	79068	CloneNo.:	1E8B1
Source:	Mouse	UNIPROT ID:	Q9C0B1		
Isotype:	IgG2b	Full Name:	fat mass and obesity associated		
Immunogen Catalog Number:	AG26095	Calculated MW:	58 kDa		
		Observed MW:	58 kDa		

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

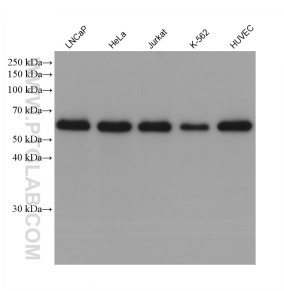
T: 4006900926

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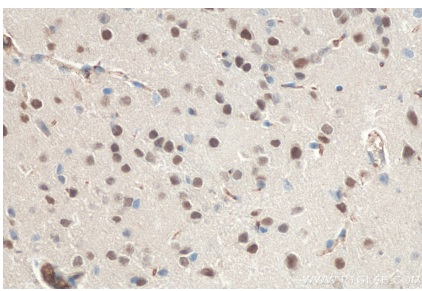
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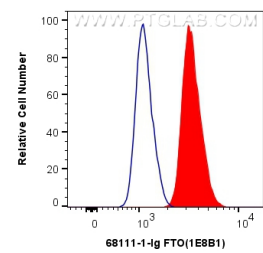
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68111-1-Ig (FTO antibody) at dilution of 1:10000 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.



1X10⁶ 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 in a different storage buffer