

For Research Use Only

FTO Polyclonal antibody

Catalog Number: 27226-1-AP

Featured Product

21 Publications



Basic Information

Catalog Number:

27226-1-AP

Size:

150ul, Concentration: 1000 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26095

GenBank Accession Number:

NM_001080432

GeneID (NCBI):

79068

Full Name:

fat mass and obesity associated

Calculated MW:

58 kDa

Observed MW:

58 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, RIP, WB

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A549 cells, HEK-293 cells, mouse brain tissue, HeLa cells, Caco-2 cells

IHC : mouse brain tissue, human liver cancer tissue

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
Praveen K Dubey	34581943	Mol Cell Biochem	WB
Tianxin Zhao	33010548	Environ Pollut	WB
Seiya Takemoto	34536357	Biochem Pharmacol	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

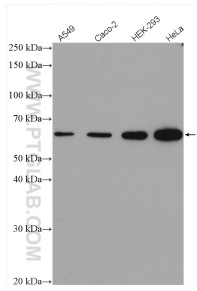
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

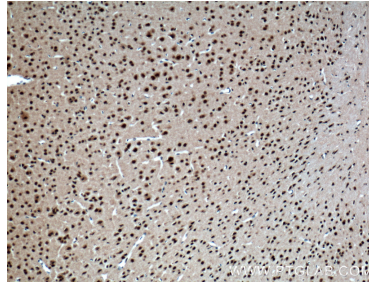
E: proteintech@ptglab.com
W: ptglab.com

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

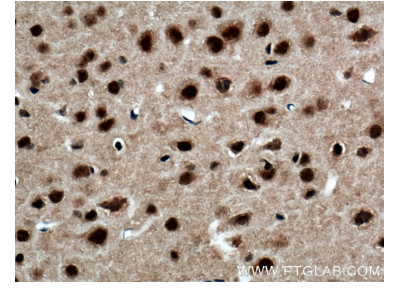
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27226-1-AP (FTO antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 27226-1-AP (FTO Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 27226-1-AP (FTO Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).