

For Research Use Only

FTO Recombinant antibody

Catalog Number: 81471-1-RR



Basic Information

Catalog Number: 81471-1-RR	GenBank Accession Number: NM_001080432	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 79068	CloneNo.: 4L4
Source: Rabbit	UNIPROT ID: Q9C0B1	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:500-1:2000 IF 1:50-1:500
Isotype: IgG	Full Name: fat mass and obesity associated	
Immunogen Catalog Number: AG26095	Calculated MW: 58 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications:
IF/ICC, IHC, WB, ELISA

Species Specificity:
Human

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 : HeLa cells, HEK-293T cells, LNCaP cells, Jurkat cells

IHC : human liver cancer tissue,

IF : HepG2 cells,

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 -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:

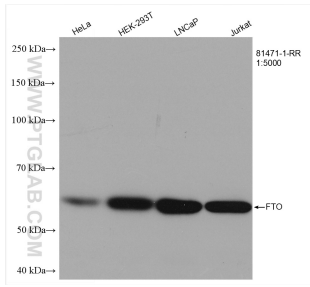
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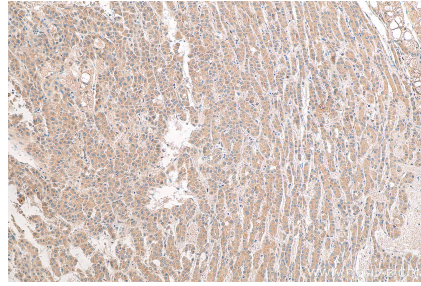
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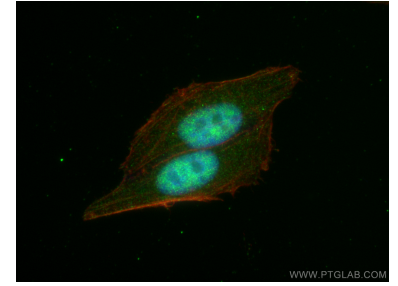
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81471-1-RR (FTO antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 81471-1-RR (FTO antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using FTO antibody (81471-1-RR, Clone: 4L4) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).