

FTO Recombinant Rabbit Monoclonal Antibody (JM98-30)

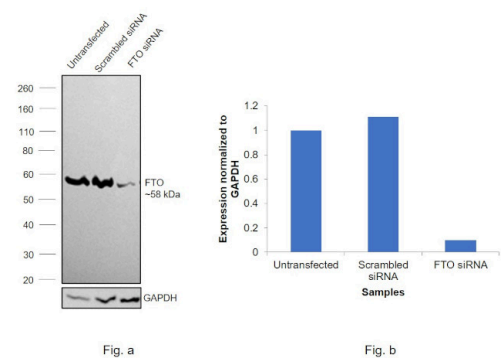
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	JM98-30
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human FTO aa 1-50
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2810061

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:200	-

Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For FTO Recombinant Rabbit Monoclonal Antibody (JM98-30)



FTO Antibody (MA5-32785)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. SH-SY5Y cells were transfected with Alpha-ketoglutarate-dependent dioxygenase FTO siRNA and decrease in signal intensity was observed in Western Blot application using Anti-FTO Recombinant Rabbit Monoclonal Antibody (JM98-30) (Product # MA5-32785). {KD}

FTO Antibody (MA5-32785) in WB

Western blot was performed using Anti-FTO Recombinant Rabbit Monoclonal Antibody (JM98-30) (Product # MA5-32785) and a ~58kDa band corresponding to Alpha-ketoglutarate-dependent dioxygenase FTO was observed across cell lines tested. Nuclear enriched extracts (30 µg lysate) of SH-SY5Y (Lane 1), U-2 OS (Lane 2), A549 (Lane 3), THP-1 (Lane 4), HEK-293 (Lane 5), Raji (Lane 6), HeLa (Lane 7), PC-3 (Lane 8), Hep G2 (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

FTO Antibody (MA5-32785) in WB

Western blot analysis of FTO in different lysates using a Monoclonal antibody (Product #MA5-32785) at a dilution of 1:1,000. Positive control: Lane 1: Human fetal brain tissue, Lane 2: HepG2, Lane 3: 293.

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