

FTO Recombinant Rabbit Monoclonal Antibody (2H63L11)

Product Details

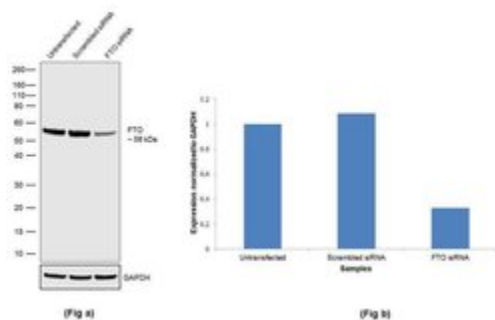
Size	100 µg
Species Reactivity	Human
Host/Isotope	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	2H63L11
Conjugate	Unconjugated
Immunogen	Protein corresponding to human FTO [aa1-aa188]
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2815336

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1000	-

Product Specific Information

This antibody is predicted to react with Mouse, Rat, Bovine.

Advanced Verification Data



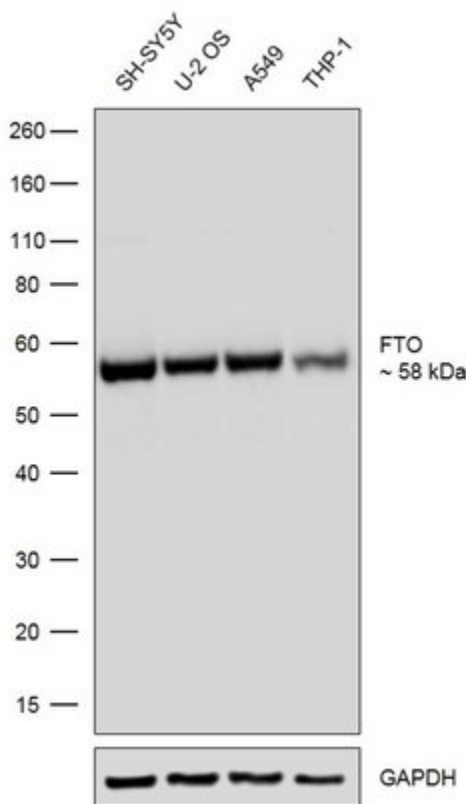
FTO Antibody (703602)

Antibody specificity was demonstrated by siRNA mediated knockdown of the target protein. A549 cells were transfected with FTO siRNA and a decrease in signal intensity was observed in western blot application using Anti-FTO Recombinant Rabbit Monoclonal Antibody (Product # 703602). Knockdown validation info.

Product Images For FTO Recombinant Rabbit Monoclonal Antibody (2H63L11)

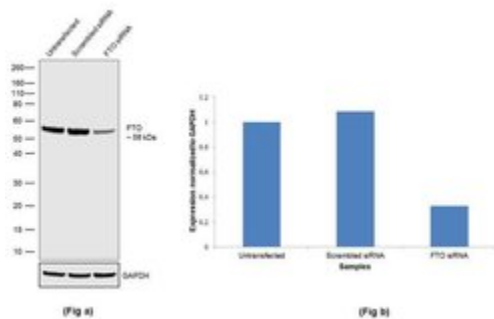
FTO Antibody (703602) in WB

Western blot was performed using Anti-FTO Recombinant Rabbit Monoclonal Antibody (Product # 703602) and a 58 kDa band corresponding to FTO was observed across the cell lines tested. Whole cell extracts (30 µg lysate) of SH-SY5Y (Lane 1), U-2 OS (Lane 2), A549 (Lane 3) and THP-1 (Lane 4) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036) at a 1:5000 dilution. Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



FTO Antibody (703602) in WB

Knockdown of FTO was achieved by transfecting A549 cells with FTO specific siRNA (Silencer® select Product # S35511, Product # S35512). Western blot analysis (Fig a) was performed using whole cell extracts from FTO knockdown cells (Lane 3), non-specific scrambled siRNA transfected cells (Lane 2) and untransfected cells (Lane 1). The blot was probed with Anti-FTO Recombinant Rabbit Monoclonal Antibody (Product # 703602) at a 1:1000 dilution and Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036) (0.25 µg/mL, 1:4000 dilution). Densitometric analysis of this western blot is shown in the histogram (Fig b). Loss of signal upon siRNA mediated knockdown confirms that the antibody is specific to FTO.



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