

Rabbit anti-Human FTO Monoclonal Antibody | anti-FTO antibody

Recombinant FTO Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA178797	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

FTO; Monoclonal Antibody; Recombinant FTO Monoclonal Antibody; AlkB homolog 9; ALKBH9; Alpha-ketoglutarate-dependent dioxygenase FTO; AW743446; Fat mass and obesity-associated protein; FATSO; MOUSE; HOMOLOG OF; Fto; GDFD; KIAA1752; mKIAA1752; Protein fatso; anti-FTO antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	R06-8G5
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Concentration	300ug/mL (varies by lot)
Applicable Applications for anti-FTO antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human FTO
Research Area	Cancer, Cardiovascular, Metabolism, Neuroscience
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



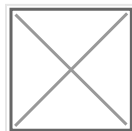
IF (Immunofluorescence)

Immunofluorescence of FTO (green) in Hela using FTO Rabbit mAb at dilution 1:50, and DAPI(blue)



IHC (Immunohistochemistry)

Immunohistochemistry of FTO in paraffin-embedded Human lung cancer tissue using FTO Rabbit mAb at dilution 1:50



WB (Western Blot)

Western blot detection of FTO in Hela, Jurkat cell lysates using FTO Rabbit mAb(1:500 diluted). Predicted band size: 58kDa. Observed band size: 58kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FTO antibody	This gene is nuclear protein of the AlkB related non-haem iron and 2-oxoglutarate-dependent oxygenase superfamily but the exact physiological function of this gene is not known. Other non-heme iron enzymes function to reverse alkylated DNA and RNA damage by oxidative demethylation. Studies in mice and humans indicate a role in nervous and cardiovascular systems and a strong association with body mass index, obesity risk, and type 2 diabetes.
Product Categories/Family for anti-FTO antibody	Antibodies; Primary Antibodies; Recombinant Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	122937263
NCBI GeneID	79068
NCBI Accession #	NP_001073901.1
NCBI GenBank Nucleotide #	NM_001080432.2
UniProt Accession #	Q9C0B1; Q0P676; Q7Z785; A2RUH1; B2RNS0
Molecular Weight	505
NCBI Official Full Name	alpha-ketoglutarate-dependent dioxygenase FTO
NCBI Official Synonym Full Names	fat mass and obesity associated
NCBI Official Symbol	FTO
NCBI Protein Information	alpha-ketoglutarate-dependent dioxygenase FTO; protein fto; fat mass and obesity-associated protein
UniProt Protein Name	Alpha-ketoglutarate-dependent dioxygenase FTO
UniProt Gene Name	FTO
UniProt Synonym Gene Names	KIAA1752
UniProt Entry Name	FTO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fto-antibody-clone-r06-8g5-immunofluorescence-immunohistochemistry-western-blot-elisa/178797>