

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

FTO Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312555	Rabbit	Human	Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-FTO antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-FTO antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of FTO on different lysates using anti-FTO antibody at 1/1,000 dilution. Positive control: Lane 1: Human fetal brain tissue Lane 2: HepG2 Lane 3: 293

ADDITIONAL INFORMATION

Related Product Information for anti-FTO antibody

FTO, also known as Fatso or KIAA1752, is a 505 amino acid protein that has an N-terminal nuclear localization signal. Expressed in a variety of tissues, with highest levels present in brain and pancreatic tissue, Fatso exists as four alternatively spliced isoforms, one of which is associated with a predisposition to childhood and adult obesity. Due to its involvement in the development of obesity, Fatso is associated with an increased BMI and may be involved in the pathogenesis of type 2 diabetes. The gene encoding Fatso maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3% of the human genome. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.

Product Categories/Family for anti-FTO antibody

Total protein Ab

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-immunohistochemistry-immunofluorescence-immunocytochemistry-western-blot-elisa/312555>