

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

FTO Antibody

CATALOG # AAA39804	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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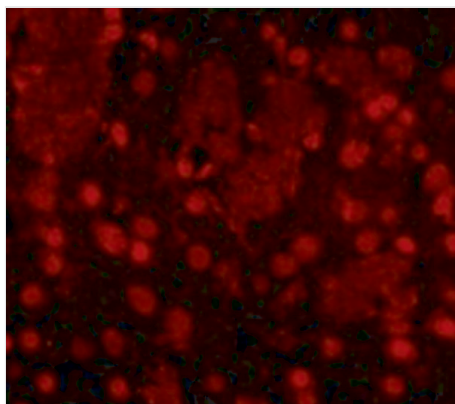
PRODUCT SYNONYMS

FTO; Polyclonal Antibody; FTO Antibody; ALKBH9; KIAA1752; Alpha-ketoglutarate-dependent dioxygenase FTO; Fat mass and obesity-associated protein; fat mass and obesity associated; anti-FTO antibody

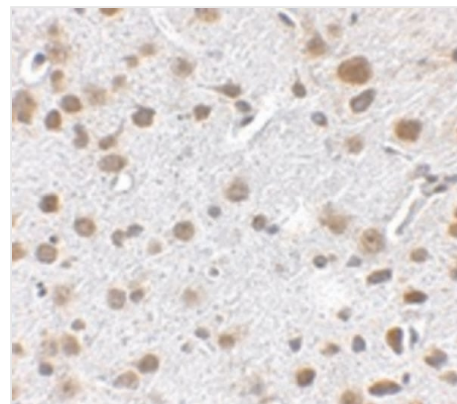
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	FTO Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	505
Applicable Applications for anti-FTO antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	FTO antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human FTO.
Buffer	FTO Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	FTO antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES


IF (Immunofluorescence)

Immunofluorescence of FTO in Mouse Brain cells with FTO antibody at 20 µg/mL.


IHC (Immunohistochemistry)

Immunohistochemistry of FTO in mouse brain tissue with FTO antibody at 2.5 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-FTO antibody	FTO Antibody: Rising obesity rates are rapidly becoming a growing health concern in the developing world. The fat mass and obesity associated gene (FTO) is the first gene discovered to contribute to common forms of human obesity. FTO is a member of the non-heme dioxygenase superfamily, encoding a 2-oxoglutarate-dependent nucleic acid demethylase whose mRNA is widely expressed, especially in neurons of feeding-related nuclei of the brain. FTO mRNA in the arcuate nucleus in mice is up-regulated by feeding and down-regulated during fasting, although the opposite pattern has been observed in rats. At least four isoforms of FTO are known to exist.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148841515
NCBI GeneID	79068
UniProt Accession #	Q9C0B1; Q0P676; Q7Z785; A2RUH1; B2RNS0
Molecular Weight	12,218 Da
NCBI Official Full Name	Alpha-ketoglutarate-dependent dioxygenase FTO
NCBI Official Synonym Full Names	fat mass and obesity associated
NCBI Official Symbol	FTO
NCBI Official Synonym Symbols	ALKBH9
NCBI Protein Information	alpha-ketoglutarate-dependent dioxygenase FTO; protein fto; AlkB homolog 9; 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://www.aaabiotech.com/polyclonal/fto-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39804>