

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

FTO Antibody

CATALOG # AAA305958	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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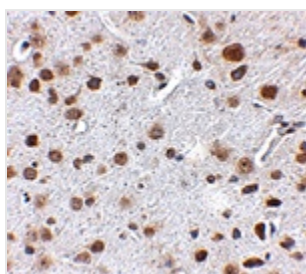
PRODUCT SYNONYMS

FTO; Polyclonal Antibody; FTO Antibody; Fat mass and obesity associated; anti-FTO antibody

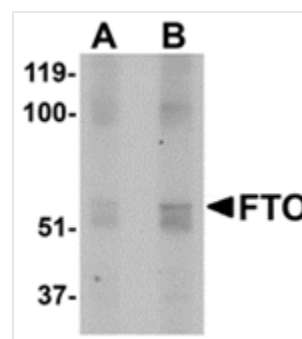
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	505
Applicable Applications for anti-FTO antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide from near the amino terminus of human FTO.
Target Name	FTO
Preparation and Storage	Can be stored at -20 degree C, stable for 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


IHC (Immunohistochemistry)

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


WB (Western Blot)

Western blot analysis of FTO in human uterus tissue lysate with FTO antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-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.
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	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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/fto-antibody-immunohistochemistry-western-blot-elisa/305958>