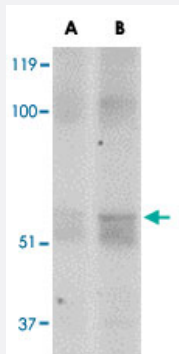


FTO polyclonal antibody

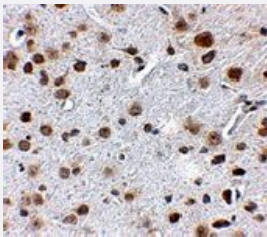
Catalog # PAB16736 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of FTO in human uterus tissue lysate with FTO polyclonal antibody (Cat # PAB16736) at (A) 1 and (B) 2 ug/mL .



Immunohistochemistry

Immunohistochemistry of FTO in mouse brain tissue with FTO polyclonal antibody (Cat # PAB16736) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FTO.
Immunogen	A synthetic peptide corresponding to N-terminus 15 amino acids of human FTO.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of FTO in human uterus tissue lysate with FTO polyclonal antibody (Cat # PAB16736) at (A) 1 and (B) 2 ug/mL .

- Immunohistochemistry

Immunohistochemistry of FTO in mouse brain tissue with FTO polyclonal antibody (Cat # PAB16736) at 2.5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FTO

Entrez GeneID	79068
Protein Accession#	Q9C0B1
Gene Name	FTO
Gene Alias	KIAA1752, MGC5149
Gene Description	fat mass and obesity associated
Omim ID	601665 610966
Gene Ontology	Hyperlink
Gene Summary	The exact function of this gene is not know. Studies in mice suggest that it may be involved in nucleic acid demethylation, and that its mRNA level is regulated by feeding and fasting. Genomewide association studies of type 2 diabetes indicate this gene as a diabetes susceptibility locus. Mutation in this gene has been associated with growth retardation, developmental delay, coarse facies, and early death. [provided by RefSeq]
Other Designations	-

Publication Reference

- [Regulation of Fto/Ftm gene expression in mice and humans.](#)

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- [The obesity gene, FTO, is of ancient origin, up-regulated during food deprivation and expressed in neurons of feeding-related nuclei of the brain.](#)

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- [Genome-wide association scan shows genetic variants in the FTO gene are associated with obesity-related traits.](#)

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Disease

- [Anorexia Nervosa](#)
- [Appetite](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cataract](#)
- [Coronary Artery Disease](#)
- [Cues](#)

- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Failure to Thrive](#)
- [Genetic Predisposition to Disease](#)
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- [Puberty](#)
- [Satiation](#)
- [Satiety Response](#)
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- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Wolfram Syndrome](#)