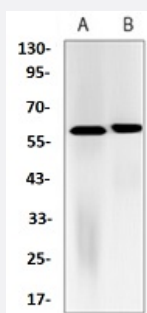


RecomAb™

FTO recombinant monoclonal antibody

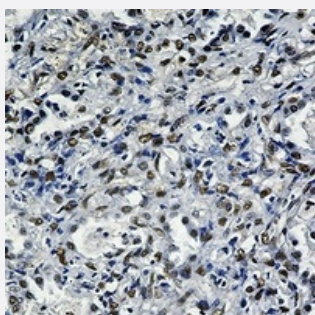
Catalog # RAB02500 Size 100 uL

Applications



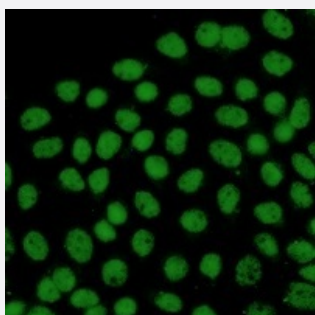
Western Blot (Cell lysate)

Western blot analysis of HeLa (A), Jurkat (B) whole cell lysates with FTO recombinant monoclonal antibody (Cat # RAB02500).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human lung cancer formalin fixed paraffin embedded tissue section using FTO recombinant monoclonal antibody (Cat # RAB02500). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.82). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence

Immunofluorescent analysis of HeLa cells with FTO recombinant monoclonal antibody (Cat # RAB02500). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FTO.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human FTO.
Theoretical MW (kDa)	60
Reactivity	Human
Specificity	Recognizes endogenous levels of FTO protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Hela (A), Jurkat (B) whole cell lysates with FTO recombinant monoclonal antibody (Cat # RAB02500).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunocytochemistry

- Immunofluorescence

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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 -

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](#)
- [Glucose Intolerance](#)
- [Head and Neck Neoplasms](#)
- [HIV Infections](#)
- [Hyperandrogenism](#)
- [Hyperglycemia](#)
- [Hyperphagia](#)
- [Hypertension](#)
- [Inflammation](#)
- [Insulin Resistance](#)

- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Pregnancy Complications](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Satiation](#)
- [Satiety Response](#)
- [Thinness](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Wolfram Syndrome](#)