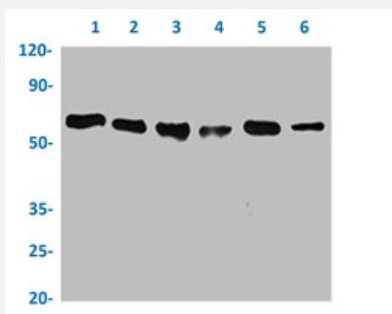


RecomAb™

FTO recombinant monoclonal antibody, clone 4G9

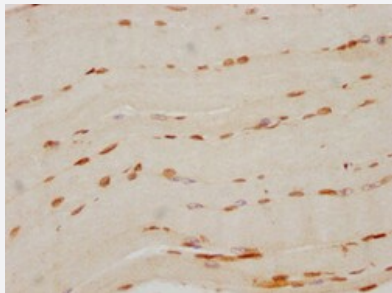
Catalog # RAB04311 Size 100 uL

Applications



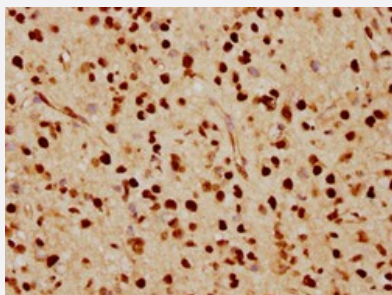
Western Blot

Western blot analysis of Lane 1:293T whole cell lysate, Lane 2: SH-SY5Y whole cell lysate, Lane 3: Raji whole cell lysate, Lane 4: Cola320 whole cell lysate, Lane 5: A549 whole cell lysate and Lane 6: PC3 whole cell lysate with FTO recombinant monoclonal antibody, clone 4G9 (Cat # RAB04311).



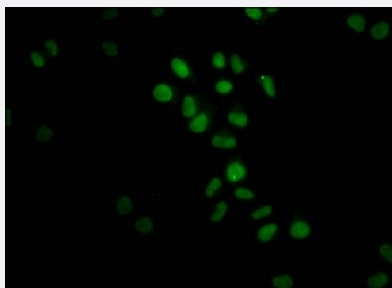
Immunohistochemistry

Immunohistochemical staining of human skeletal muscle tissue with FTO recombinant monoclonal antibody, clone 4G9 (Cat # RAB04311) (diluted at 1:70).



Immunohistochemistry

Immunohistochemical staining of human glioma cancer with FTO recombinant monoclonal antibody, clone 4G9 (Cat # RAB04311) (diluted at 1:70).



Immunofluorescence

Immunofluorescent staining of Hela cells with FTO recombinant monoclonal antibody, clone 4G9 (Cat # RAB04311) (diluted at 1:23). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FTO.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human FTO.
Theoretical MW (kDa)	Calculated MW: 59, 1
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °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

Western blot analysis of Lane 1:293T whole cell lysate, Lane 2: SH-SY5Y whole cell lysate, Lane 3: Raji whole cell lysate, Lane 4: Cola320 whole cell lysate, Lane 5: A549 whole cell lysate and Lane 6: PC3 whole cell lysate with FTO recombinant monoclonal antibody, clone 4G9 (Cat # RAB04311).

- Immunohistochemistry

Immunohistochemical staining of human skeletal muscle tissue with FTO recombinant monoclonal antibody, clone 4G9 (Cat # RAB04311) (diluted at 1:70).

- Immunohistochemistry

Immunohistochemical staining of human glioma cancer with FTO recombinant monoclonal antibody, clone 4G9 (Cat # RAB04311) (diluted at 1:70).

- Immunofluorescence

Immunofluorescent staining of Hela cells with FTO recombinant monoclonal antibody, clone 4G9 (Cat # RAB04311) (diluted at 1:23). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- 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 -

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](#)