



Anti-FTO monoclonal antibody (DCABH-11623)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description 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.

Immunogen A synthetic peptide of human FTO is used for rabbit immunization.

Isotype IgG

Source/Host Rabbit

Species Reactivity Human

Purification Protein A

Conjugate Unconjugated

Applications Western Blot (Transfected lysate); ELISA

Buffer In 1x PBS, pH 7.4

Preservative None

Storage Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [FTO fat mass and obesity associated \[Homo sapiens \]](#)

Official Symbol FTO

Synonyms	FTO; fat mass and obesity associated; alpha-ketoglutarate-dependent dioxygenase FTO; KIAA1752; MGC5149; protein fto; fat mass and obesity-associated protein;
Entrez Gene ID	79068
Protein Refseq	NP_001073901
UniProt ID	B3KU60
Chromosome Location	16q12.2
Function	DNA-N1-methyladenine dioxygenase activity; ferrous iron binding; metal ion binding; oxidative DNA demethylase activity; oxidative RNA demethylase activity; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporat