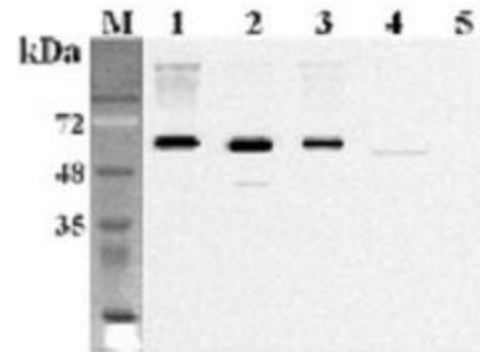


FTO Antibody (Clone FT86-4)

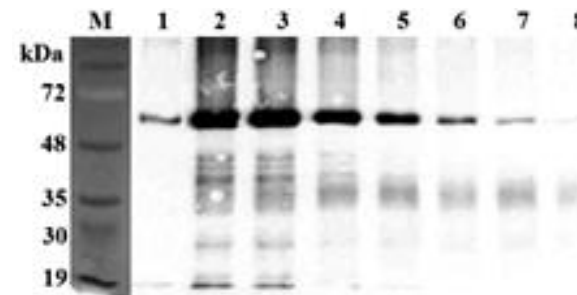
ALTERNATE NAMES:	FTO; KIAA1752; Alpha-ketoglutarate-dependent dioxygenase FTO; Fat mass and obesity-associated protein.
CATALOG #:	6699-50
AMOUNT:	50 µl
HOST/ISOTYPE:	Mouse IgG1κ
IMMUNOGEN:	This FTO antibody is generated from recombinant human FTO.
PURIFICATION:	Protein G-affinity purified.
MOLECULAR WEIGHT:	~58.28 kDa
FORM:	Liquid
FORMULATION:	Supplied as 1 mg/ml 0.2 µm-filtered solution in PBS, pH 7.4. Contains no preservatives.
SPECIES REACTIVITY:	Human, Mouse and rat.
STORAGE CONDITIONS:	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
DESCRIPTION:	FTO (Fat mass-and obesity-associated gene) is the responsible gene for mouse 'fused toes' mutation. An association between FTO genotype and type 2 diabetes has been confirmed. The presence of the FTO rs9939609 A-allele was found to be positively correlated with other symptoms of the metabolic syndrome, including higher fasting insulin, glucose, triglycerides, and lower HDL-cholesterol.
APPLICATION:	ELISA: (direct or indirect: 1:2000-1:5000). Immunoprecipitation: (1-5 µl per sample in a final reaction volume of 500-1000 µl). Western blot: (1:2000-1:5000 using ECL. Suggested blocking and dilution buffer is PBST with 0.05% Tween 20 and 5% skim milk. Suggested incubation time is 1 hour at room temperature).

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

FOR RESEARCH USE ONLY! Not to be used on humans.



Western blot analysis using anti-FTO (human), mAb (FT86-4) at 1:2000 dilution and 100 ng protein.
1: Human FTO – Cat # 7557-10.
2: Mouse FTO – Cat # 7558-10.
3: Rat FTO
4: HEK 293 cell lysate (100 µg).
5: Human Calreticulin (negative control).



Immunoprecipitation of recombinant human FTO using anti-FTO (human), mAb (FT86-4) Recombinant human FTO proteins at different concentrations were IPed by FT86-4. The IPed proteins were separated by SDS-PAGE, electroblotted, and visualized by western blot with rabbit anti-mouse FTO pAb (Cat # 6764-100).

- 1: Human FTO (His-tagged) (100ng) – Cat # 7557-10.
- 2: Human FTO (His-tagged) (5 µg)
- 3: Human FTO (His-tagged) (2.5 µg)
- 4: Human FTO (His-tagged) (1.25 µg)
- 5: Human FTO (His-tagged) (0.625 µg)
- 6: Human FTO (His-tagged) (0.312 µg)
- 7: Human FTO (His-tagged) (0.156 µg)
- 8: Human FTO (His-tagged) (0.078 µg)

RELATED PRODUCTS:

- FTO, human recombinant (Cat. No. 7557-10)
- FTO, mouse recombinant (Cat. No. 7558-10)
- FTO Antibody (Cat. No. 6764-100)
- FTO (human intracellular) ELISA Kit (Cat. No. K4921-100)
- FTO (mouse intracellular) ELISA Kit (Cat. No. K4922-100)