

Datasheet for ABIN1169074

anti-FTO antibody

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FTO
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant human FTO.
Clone:	FT62-6
Isotype:	IgG1
Specificity:	Recognizes mouse FTO.
Cross-Reactivity:	Mouse (Murine)
No Cross-Reactivity:	Rat (Rattus)
Cross-Reactivity (Details):	Weakly cross-reacts with human FTO. Does not cross-react with rat FTO.
Sterility:	0.2 µm filtered

Target Details

Target:	FTO
Alternative Name:	FTO (FTO Products)

Target Details

Background: 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.

UniProt: [Q8BGW1](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

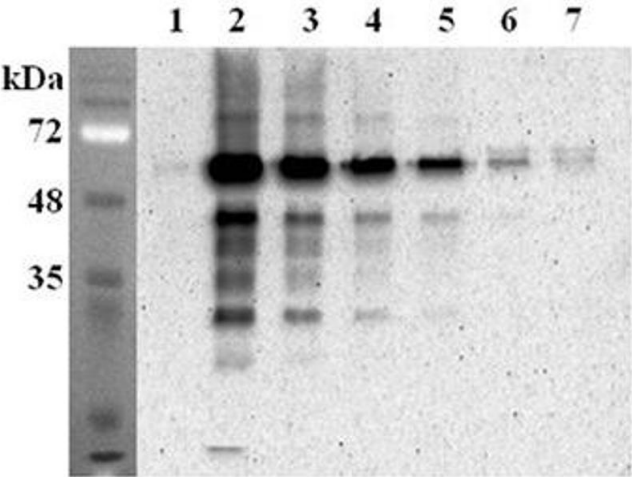
Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

Storage: 4 °C, -20 °C

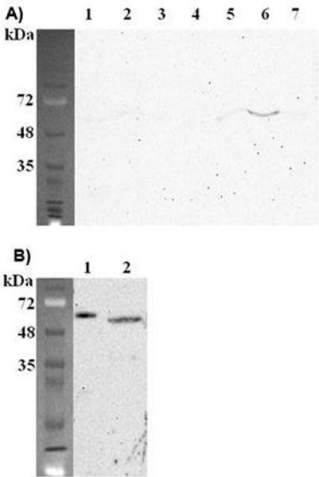
Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months



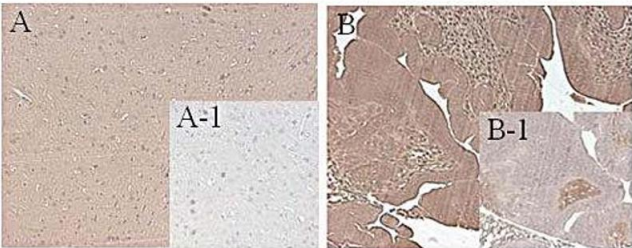
Western Blotting

Image 1. Immunoprecipitation confirmed by recombinant mouse FTO. Recombinant mouse FTO proteins at different concentrations were precipitated using anti-FTO (mouse), mAb (FT62-6) . The precipitated proteins were separated by SDS-PAGE, electroblotted, and visualized by western blot with rabbit anti-mouse FTO pAb. 1. mFTO (His-tagged) recombinant control 50ng 2. mFTO (His-tagged) 10µg. 3. mFTO (His-tagged) 5µg. 4. mFTO (His-tagged) 2.5µg. 5. mFTO (His-tagged) 1.25µg. 6. mFTO (His-tagged) 0.312µg. 7. mFTO (His-tagged) 0.156µg.



Western Blotting

Image 2. Western blot analysis using anti-FTO (mouse), mAb (FT62-6) at 1:2'000 dilution. A) 1: Mouse kidney (200µg). 2: Mouse spleen (200µg). 3: Mouse heart (200µg). 4: Mouse liver (500µg). 5: Mouse stomach (200µg). 6: Mouse brain (300µg). 7: Mouse lung (200µg). B) 1: Mouse FTO (10ng). 2: 3T3L1 (100µg).



Immunohistochemistry

Image 3. Immunohistochemical staining of mouse FTO using anti-FTO (mouse), mAb (FT62-6) in mouse tissue (1:500 dilution, 200X). A. Immunoperoxidase staining of formalin-Fixed, paraffin-embedded mouse brain. A-1. Isotype control, mouse brain. B. Immunoperoxidase staining of formalin-Fixed, paraffin-embedded mouse uterus. B-1. Isotype control, mouse uterus.