

Datasheet for ABIN1169073

anti-FTO antibody

3 Images

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Overview

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

Product Details

Immunogen:	Recombinant human FTO.
Clone:	AG103
Isotype:	IgG2a
Specificity:	Recognizes human FTO.
Cross-Reactivity:	Human
Sterility:	0.2 µm filtered

Target Details

Target:	FTO
Alternative Name:	FTO (FTO Products)
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

Target Details

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: [Q9C0B1](#)

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.

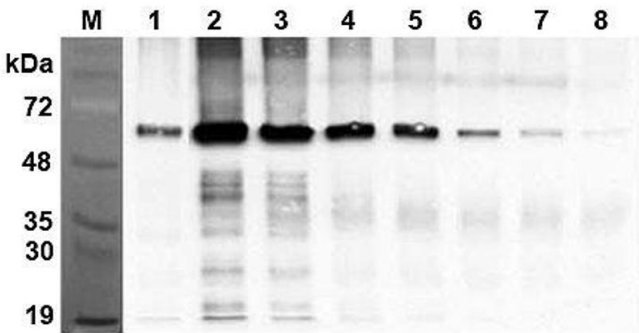
Preservative: Without preservative

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.

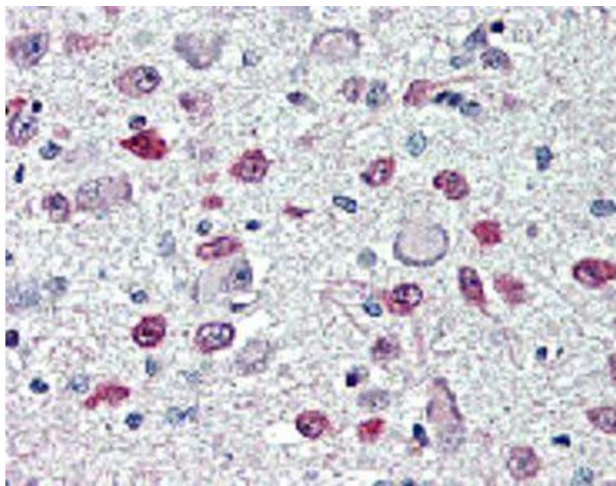
Expiry Date: 12 months

Images



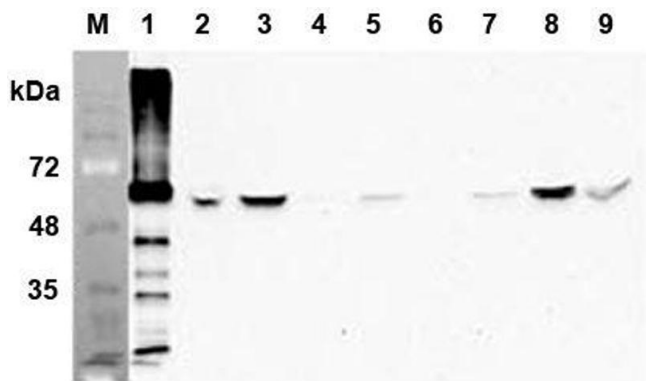
Western Blotting

Image 1. Immunoprecipitation of recombinant human FTO proteins using anti-FTO (human), mAb (AG103) at different concentrations. The precipitated proteins were separated by SDS-PAGE, electroblotted, and visualized by Western blot with rabbit anti-mouse FTO pAb 2. hFTO (His-tagged) 5µg 3. hFTO (His-tagged) 2.5µg 4. hFTO (His-tagged) 1.25µg 5. hFTO (His-tagged) 0.625µg 6. hFTO (His-tagged) 0.312µg 7. hFTO (His-tagged) 0.156µg 8. hFTO (His-tagged) 0.078µg



Immunohistochemistry

Image 2. Immunohistochemical staining of FTO with anti-FTO (human), mAb (AG103) in brain, hypothalamus and paraventricular nucleus (5~10 µg/ml). This antibody has been tested in immunohistochemistry, analyzed by an anatomic pathologist and validated for use in IHC applications against formalin-fixed, paraffin-embedded human tissues. The image shows the localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain (40x).



Western Blotting

Image 3. Western blot analysis of human FTO using anti-human FTO mAb (AG103) at 1:1,000 dilution: 1. hFTO (His-tagged) 100 ng 2. HEK293T 100 µg 3. HEK293E 100 µg 4. HepG2 100 µg 5. Hep3B 50 µg 6. VIT1 80 µg 7. THP1 74 µg 8. Molt4 96 µg 9. A549 48 µg