



Datasheet for ABIN6971672 anti-FTO antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|-----------------------|
| Quantity: | 100 µL |
| Target: | FTO |
| Binding Specificity: | N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB) |

Product Details

| | |
|------------------|---|
| Immunogen: | This antibody was raised against a peptide within the N-terminal region of human FTO. |
| Isotype: | IgG |
| Characteristics: | FTO (fat mass and obesity associated) is a dioxygenase that repairs alkylated DNA and RNA by oxidative demethylation. This protein has high activity towards single-stranded RNA containing 3-methyluracil and single-stranded DNA containing 3-methylthymine. FTO has low demethylase activity towards single-stranded DNA containing 1-methyladenine or 3-methylcytosine and has no activity towards 1-methylguanine or double-stranded DNA. FTO contributes to the regulation of the global metabolic rate, energy expenditure, energy homeostasis, regulation of body size and body fat accumulation. FTO has recently been shown to have the highest activity towards demethylation of 6-methyladenine in single-stranded RNA suggesting that FTO is involved in processing of nuclear RNAs and may play an important role in RNA epigenetics. FTO antibody (pAb) was raised in a Rabbit host. It has been validated for use in Western blot, it has been shown to react with Human samples. |

Product Details

Purification: Affinity Purified

Target Details

Target: FTO

Alternative Name: FTO ([FTO Products](#))

Molecular Weight: 60 kDa

NCBI Accession: [NP_001073901](#)

Application Details

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

Restrictions: For Research Use only

Handling

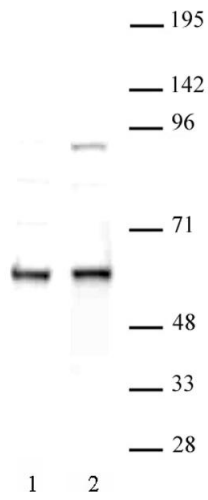
Buffer: Purified IgG in PBS with 30 % glycerol and 0.035 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Western Blotting

Image 1. FTO antibody (pAb) tested by Western blot. Detection of FTO by Western blot analysis (30 µg per lane). Lane 1: Nuclear extract of Caco-2 cells. Lane 2: Nuclear extract of HEK-293 cells. Both probed with FTO antibody (pAb) at a 1:500 dilution.