

FTO (AB3537) Rabbit mAb

M0068

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC-P, ELISA

MW

- 58 kDa (calculated)
- 60 kDa (observed)

Isotype

- IgG

Recommended Dilution Ratios

Application

WB, IHC-P, ELISA

Dilution

WB, 1:500-1:1000 | IHC-P, 1:50-1:200 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% proclin300.

Basic Information

Clonality Monoclonal

Clone Number AB3537

Immunogen Recombinant fusion protein containing a sequence corresponding to amino acids 327 - 504 of human FTO.

Specificity This antibody detects endogenous levels of FTO protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name FTO

Protein Name FTO

Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q9C0B1	79068

Background

This gene is a nuclear protein of the AlkB related non-haem iron and 2-oxoglutarate-dependent oxygenase superfamily but the exact physiological function of this gene is not known. Other non-heme iron enzymes function to reverse alkylated DNA and RNA damage by oxidative demethylation. Studies in mice and humans indicate a role in nervous and cardiovascular systems and a strong association with body mass index, obesity risk, and type 2 diabetes.