

FTO Rabbit pAb

Catalog No.: A1438 **17 Publications**

Basic Information

Observed MW

60kDa

Calculated MW

58kDa

Category

Primary antibody

Applications

ELISA, WB, IP

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:500 - 1:1000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

79068

Swiss Prot

Q9C0B1

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 327-504 of human FTO (NP_001073901.1).

Synonyms

GDFD; ALKBH9; BMIQ14; FTO

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

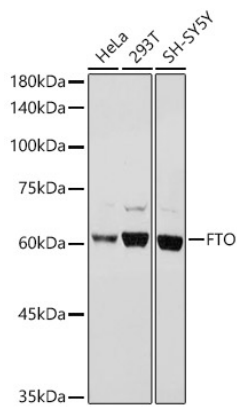
Affinity purification

Storage

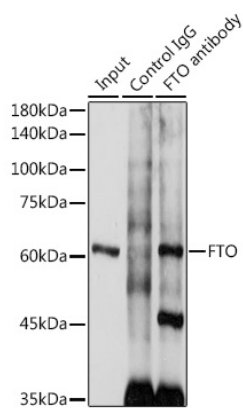
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of various lysates using FTO Rabbit pAb (A1438) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunoprecipitation analysis of 300 μ g extracts of SH-SY5Y cells using 3 μ g FTO antibody (A1438).
Western blot was performed from the immunoprecipitate using FTO antibody (A1438) at a dilution of 1:1000.