A1438

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FTO Rabbit pAb

Catalog No.: A1438 **16 Publications**

Basic Information

Observed MW
60kDa

Calculated MW
58kDa

Category
Mouse Monoclonal Antibody

Applications
WB,IP,ELISA

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

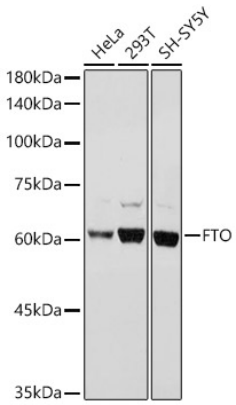
Source
Rabbit

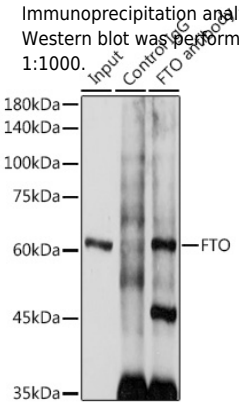
Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

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: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

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