

FTO Rabbit pAb

Catalog NO.: A1438 27 Publications

Basic Information

Observed MW

60kDa

Calculated MW

58kDa

Category

Polyclonal Antibodies

Applications

WB, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

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 - 1:3000

IP

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

ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

79068

Swiss Prot

Q9C0B1

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

GDFD; ALKBH9; BMIQ14; FTO

Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

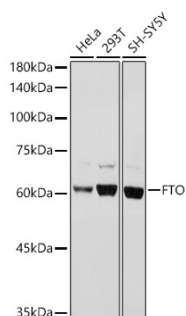
Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates using FTO Rabbit pAb (A1438) at 1:1000 dilution.

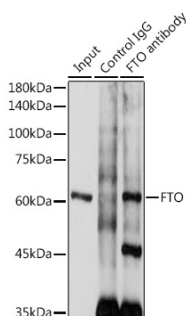
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

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.

