

FTO Rabbit mAb

Catalog No.: A3861

Recombinant

12 Publications

Basic Information

Observed MW

60 kDa

Calculated MW

58 kDa

Category

Primary antibody

Applications

WB, IHC-P, IF/ICC, IP, ELISA

Cross-Reactivity

Human

CloneNo number

ARC0851

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 1:2000 - 1:12000

IHC-P 1:100 - 1:1000

IF/ICC 1:50 - 1:500

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.

Contact

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Immunogen Information

Gene ID

79068

Swiss Prot

Q9C0B1

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

GDFD; ALKBH9; BMIQ14; FTO

Product Information

Source

Rabbit

Isotype

IgG

Purification

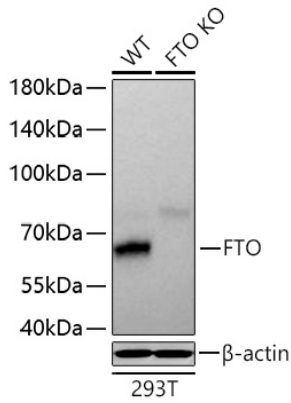
Affinity purification

Storage

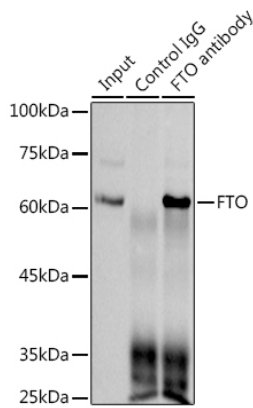
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

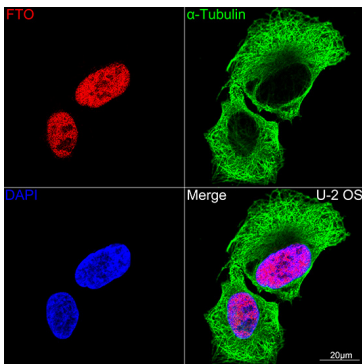
Validation Data



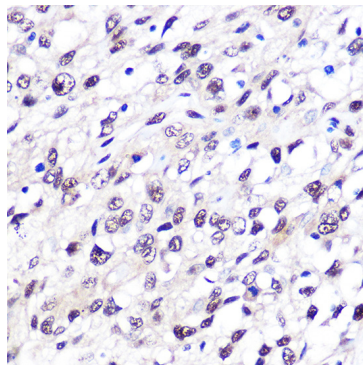
Western blot analysis of lysates from wild type (WT) and FTO knockout (KO) 293T cells using FTO Rabbit mAb (A3861) at 1:4000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



Immunoprecipitation analysis of 300 µg extracts of 293T cells using 3 µg FTO antibody (A3861). Western blot was performed from the immunoprecipitate using FTO antibody (A3861) at a dilution of 1:500.



Confocal imaging of U-2 OS cells using FTO Rabbit mAb (A3861, dilution 1:50) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human bladder cancer using FTO Rabbit mAb (A3861) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.