

# FTO Rabbit mAb

Catalog No.: A3861

Recombinant

8 Publications

## Basic Information

### Observed MW

60kDa

### Calculated MW

58kDa

### 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** 1:500 - 1:1000

**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.

## Immunogen Information

### Gene ID

79068

### Swiss Prot

Q9C0B1

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human FTO (Q9C0B1).

### 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 with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

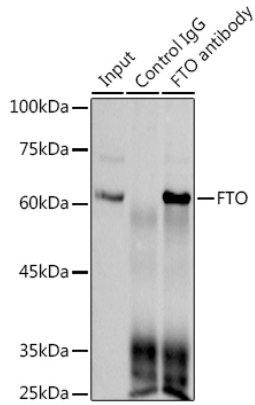
## Contact

☎ | 400-999-6126

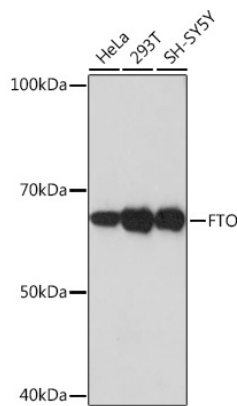
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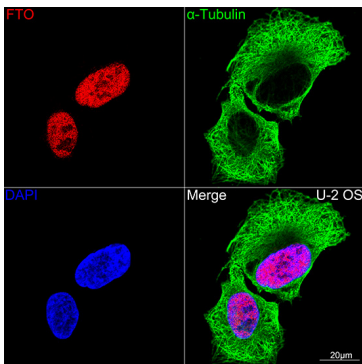
## Validation Data



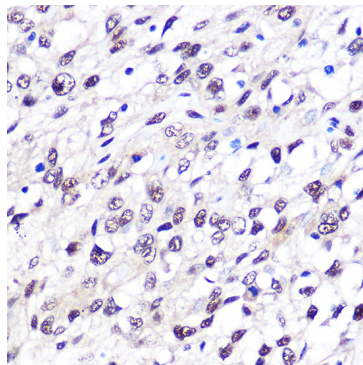
Immunoprecipitation analysis of 300  $\mu$ g extracts of 293T cells using 3  $\mu$ g FTO antibody (A3861). Western blot was performed from the immunoprecipitate using FTO antibody (A3861) at a dilution of 1:500.



Western blot analysis of various lysates using FTO Rabbit mAb (A3861) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.



Confocal imaging of U-2 OS cells using FTO Rabbit mAb (A3861, dilution 1:50) (Red). The cells were counterstained with  $\alpha$ -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.