

FTO Rabbit mAb

Catalog No.: A3861 **Recombinant** **11 Publications**

Basic Information

Observed MW

58kDa

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.

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

GDFF; ALKBH9; BMIQ14; FTO

Product Information

Source

Rabbit

Isotype

IgG

Purification

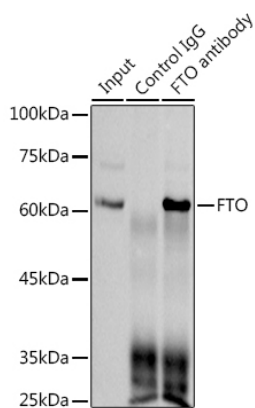
Affinity purification

Storage

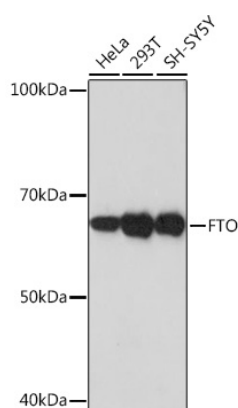
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

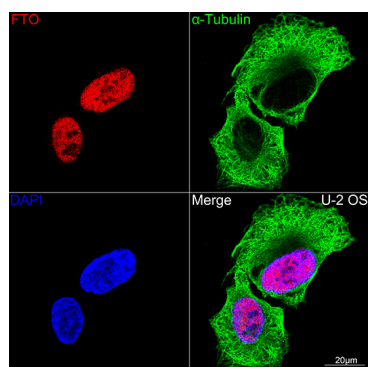
Validation Data



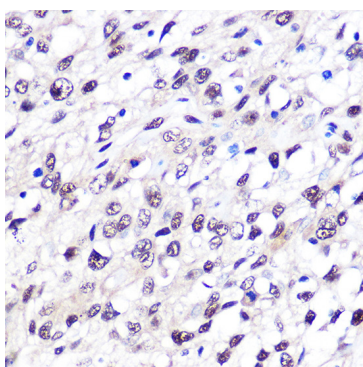
Immunoprecipitation analysis of 300 µg extracts of 293T cells using 3 µg FTO antibody (A3861). Western blot was performed from the immunoprecipitate using FTO antibody (A3861) at a dilution of 1:500.



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: 25µg 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 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.