

A22459

Leader in Biomolecular Solutions for Life Science



[KO Validated] FTO Rabbit mAb

Catalog No.: A22459

KO Validated

Recombinant

Basic Information

Observed MW

60kDa

Calculated MW

58kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC52115

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 1:50 - 1:200

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; TO

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

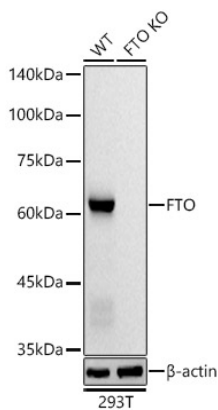
Affinity purification

Storage

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

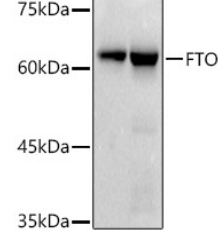
Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data

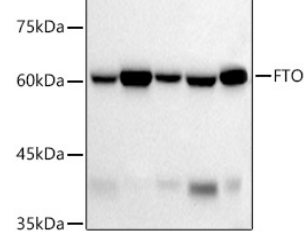


Western blot analysis of lysates from wild type (WT) and FTO knockout (KO) 293T(KO) cells, using [KO Validated] FTO Rabbit mAb (A22459) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

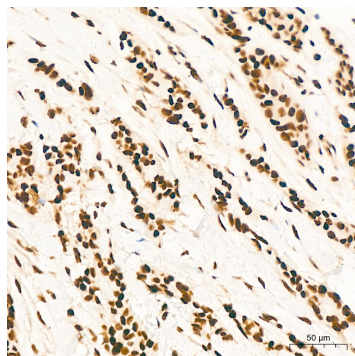
Western blot analysis of various lysates, using [KO Validated] FTO Rabbit mAb (A22459) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



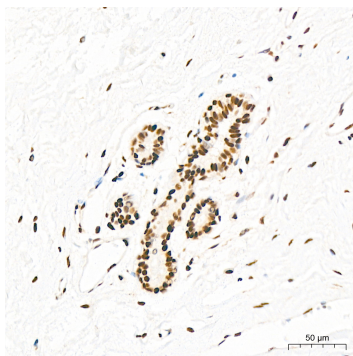
Western blot analysis of various lysates, using [KO Validated] FTO Rabbit mAb (A22459) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



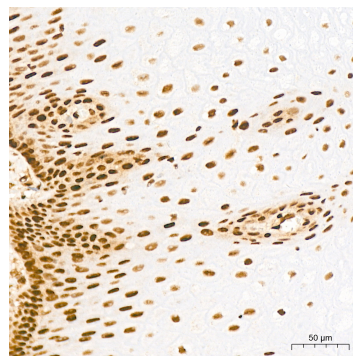
Validation Data



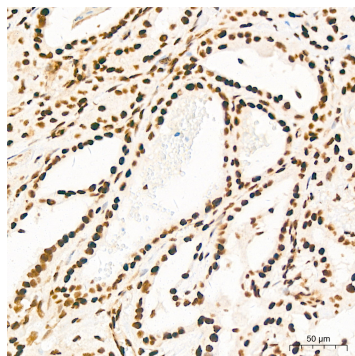
Immunohistochemistry analysis of FTO in paraffin-embedded human breast cancer tissue using [KO Validated] FTO Rabbit mAb (A22459) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



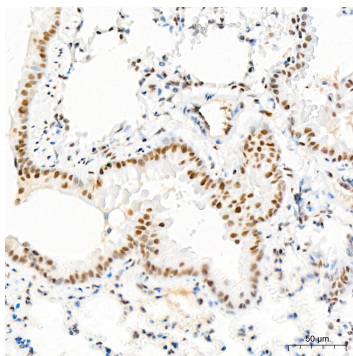
Immunohistochemistry analysis of FTO in paraffin-embedded human breast tissue using [KO Validated] FTO Rabbit mAb (A22459) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



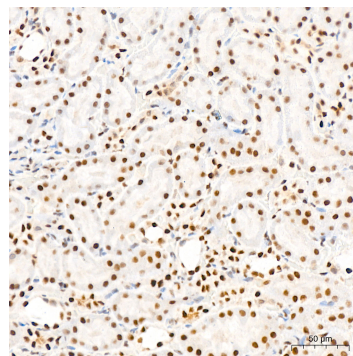
Immunohistochemistry analysis of FTO in paraffin-embedded human esophagus tissue using [KO Validated] FTO Rabbit mAb (A22459) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of FTO in paraffin-embedded human thyroid tissue using [KO Validated] FTO Rabbit mAb (A22459) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of FTO in paraffin-embedded mouse lung tissue using [KO Validated] FTO Rabbit mAb (A22459) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of FTO in paraffin-embedded rat kidney tissue using [KO Validated] FTO Rabbit mAb (A22459) at a dilution of 1:200 (40x lens).High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.