

A20992

Leader in Biomolecular Solutions for Life Science



## [KO Validated] FTO Rabbit mAb

Catalog No.: A20992

**KO** **Validated**

**Recombinant**

**2 Publications**

### 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

ARC52114

### 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](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

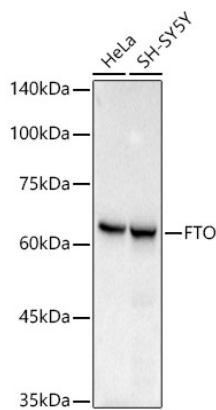
Affinity purification

#### Storage

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

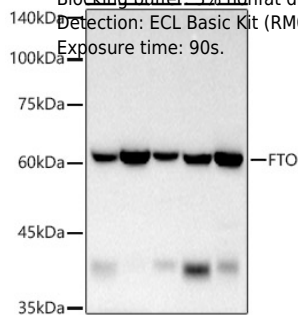
Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data

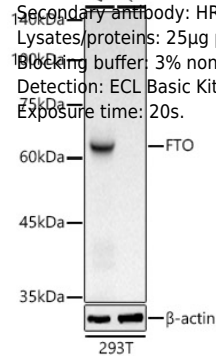


Western blot analysis of various lysates, using FTO antibody (A20992) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 20s.

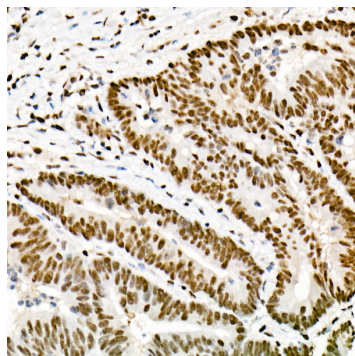
Western blot analysis of various lysates, using FTO antibody (A20992) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



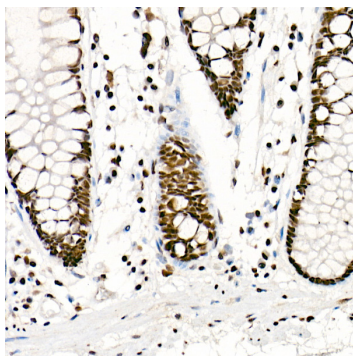
Western blot analysis of extracts from wild type (WT) and FTO knockout (KO) 293T cells, using FTO antibody (A20992) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 20s.



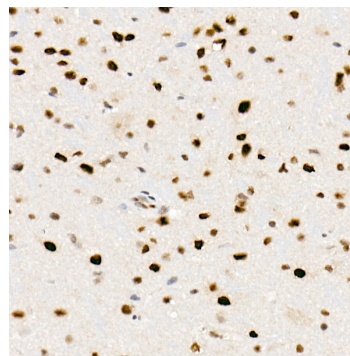
## Validation Data



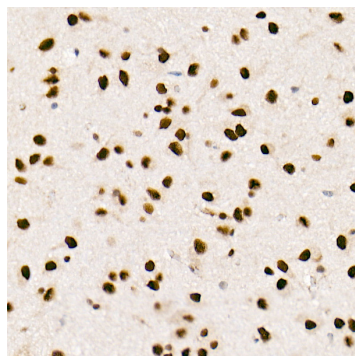
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using [KO Validated] FTO Rabbit mAb (A20992) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



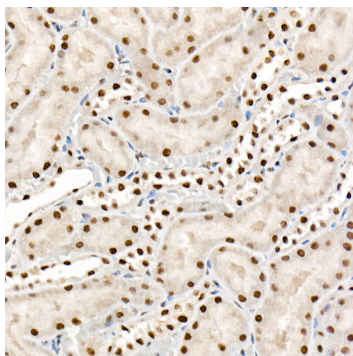
Immunohistochemistry analysis of paraffin-embedded human colon using [KO Validated] FTO Rabbit mAb (A20992) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse brain using [KO Validated] FTO Rabbit mAb (A20992) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat brain using [KO Validated] FTO Rabbit mAb (A20992) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat kidney using [KO Validated] FTO Rabbit mAb (A20992) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.