

Datasheet: VMA00723

Description:	MOUSE ANTI FTO
Specificity:	FTO
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI4A1
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - Liquid

Preparation

Mouse monoclonal antibody affinity purified on Protein G from ascites

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin

Immunogen HEK293-derived full length recombinant protein of human FTO

External Database

Links

UniProt:

[Q9C0B1](#) [Related reagents](#)

Entrez Gene:

[79068](#) FTO [Related reagents](#)

Synonyms

KIAA1752

Specificity

Mouse anti Human FTO antibody recognizes FTO, also known as AlkB homolog 9, alpha-ketoglutarate-dependent dioxygenase FTO, fat mass and obesity-associated protein and protein fto.

FTO is a nuclear protein of the AlkB related non-haem iron and 2-oxoglutarate-dependent oxygenase superfamily but the exact physiological function of FTO 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 (provided by RefSeq, Jul 2011).

Mouse anti Human FTO antibody detects a band of 60 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Mouse anti FTO detects a band of approximately 60 kDa in HepG2 cell lysates

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee

12 months from date of despatch

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information

Material Safety Datasheet documentation #10041 available at:
Antibody (10041): <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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