BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-FTO Antibody

Catalog Number: A00219

About FTO

Rising obesity rates are rapidly becoming a growing health concern in the developing world. The fat mass and obesity associated gene (FTO) is the first gene discovered to contribute to common forms of human obesity. FTO is a member of the non-heme dioxygenase superfamily, encoding a 2-oxoglutarate-dependent nucleic acid demethylase whose mRNA is widely expressed, especially in neurons of feeding-related nuclei of the brain. FTO mRNA in the arcuate nucleus in mice is up-regulated by feeding and down-regulated during fasting, although the opposite pattern has been observed in rats. At least four isoforms of FTO are known to exist.

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Overview

Product Name	Anti-FTO Antibody
Reactive Species	Human
Description	Boster Bio Anti-FTO Antibody (Catalog # A00219). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	FTO Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	FTO antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9C0B1

Technical Details

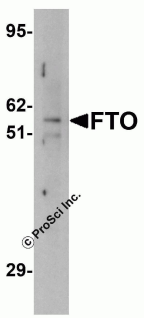
Immunogen	FTO antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human FTO. The immunogen is located within the first 50 amino acids of FTO.
Predicted Reactive Species	Mouse, Rat
Isotype	IgG

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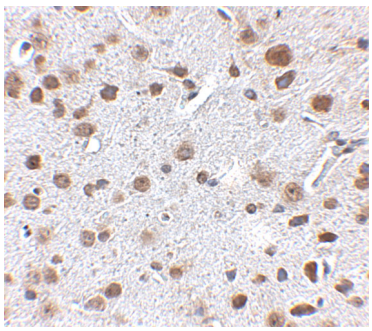
Form	Liquid
Concentration	1 mg/mL
Purification	FTO Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	FTO antibody can be used for detection of FTO by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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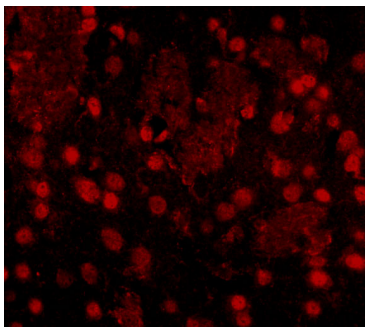
Anti-FTO Antibody (A00219) Images



Western blot analysis of FTO in human uterus tissue lysate with FTO antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of FTO in mouse brain tissue with FTO antibody at 2.5 ug/mL.



Immunofluorescence of FTO in Mouse Brain cells with FTO antibody at 20 ug/mL.

For Research Use Only. Not for use in diagnostic procedures.