



## FTO Antibody [FT342-1]

CATALOG NUMBER: 36-089

### Specifications

<b>SPECIES REACTIVITY:</b>	Mouse, Rat
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: (direct and indirect: 1:2,000-1:5,000). Western Blot: (1:2,000-1:5,000 using ECL. Suggested blocking and dilution buffer is PBST containing 0.05% Tween 20 and 5% skim milk. Suggested incubation time is 1 hour at room temperature). Optimal conditions must be determined individually for each application.
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	Recognizes mouse FTO. Cross-reacts with rat FTO. Does not cross-react with human FTO.
<b>IMMUNOGEN:</b>	Recombinant mouse FTO.
<b>HOST SPECIES:</b>	Rat

### Properties

<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Liquid. 0.2um-filtered solution in PBS, pH 7.4. Contains no preservatives.
<b>CONCENTRATION:</b>	0.5 mg/ml
<b>STORAGE CONDITIONS:</b>	Stable for at least 1 year after receipt when stored at -20°C.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	IgG2a, kappa
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	Fat Mass and Obesity-associated Protein; FATSO
<b>ACCESSION NO.:</b>	Q8BGW1
<b>PROTEIN GI NO.:</b>	81873739
<b>OFFICIAL SYMBOL:</b>	Fto
<b>GENE ID:</b>	26383

### Background

<b>BACKGROUND:</b>	FTO (Fat mass-and obesity-associated gene) is the responsible gene for mouse 'fused toes' mutation. An association between FTO genotype and type 2 diabetes has been confirmed. The presence of the FTO rs9939609 A-allele was found to be positively correlated with other symptoms of the metabolic syndrome, including higher fasting insulin, glucose, triglycerides, and lower HDL-cholesterol.
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