



FTO Antibody [AG103]

CATALOG NUMBER: 36-093

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC, IP, WB
APPLICATIONS:	ELISA: (direct and indirect: 1:2,000-1:5,000). Immunoprecipitation: (5ug/ml per sample in a final reaction volume of 500-1,000ul). Immunohistochemistry: (5-10ug/ml: paraffin sections). 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.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	Recognizes human FTO.
IMMUNOGEN:	Recombinant human FTO.
HOST SPECIES:	Mouse

Properties

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

Additional Info

ALTERNATE NAMES:	Fat Mass and Obesity-associated Protein; FATSO
ACCESSION NO.:	NP_036066.2
PROTEIN GI NO.:	166851822
OFFICIAL SYMBOL:	Fto
GENE ID:	79068

Background

BACKGROUND:	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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