

Anti-FTO Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 58 kDa. Actual: 60 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: Mouse Adrenal gland tissue lysates Lane 2: Rat Adrenal gland tissue lysates Lane 3: Human SH-SY5Y cell lysates Lane 4: Human HeLa cell lysates
Verified Activity:	Lane 5: Human U87MG cell lysates Lane 6: Human MOLT4 cell lysates Primary: Anti-FTO (TMAB-06196) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kDa Observed band size: 60 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human FTO
Antigen Species:	Human
Gene ID:	79068
Uniprot ID:	Q9C0B1

Research Background

Dioxygenase that repairs alkylated DNA and RNA by oxidative demethylation. Has highest activity towards single-stranded RNA containing 3-methyluracil, followed by single-stranded DNA containing 3-methylthymine. Has low demethylase activity towards single-stranded DNA containing 1-methyladenine or 3-methylcytosine. Has no activity towards 1-methylguanine. Has no detectable activity towards double-stranded DNA. Requires molecular oxygen, alpha-ketoglutarate and iron. Contributes to the regulation of the global metabolic rate, energy expenditure and energy homeostasis. Contributes to the regulation of body size and body fat accumulation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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