

bs-25583R**[Primary Antibody]****BioSS**
ANTIBODIES

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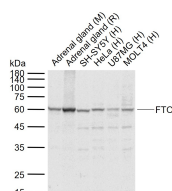
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FTO Rabbit pAb**DATASHEET**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse, Rat
GeneID: 79068	SWISS: Q9C0B1	
Target: FTO		
Immunogen: KLH conjugated synthetic peptide derived from human FTO: 411-505/505.		Predicted MW.: 58 kDa
Purification: affinity purified by Protein A		Subcellular Location: Nucleus
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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.		

VALIDATION IMAGES

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
Lane 5: Human U87MG cell lysates
Lane 6: Human MOLT4 cell lysates
Primary: Anti-FTO (bs-25583R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 58 kDa
Observed band size: 60 kDa

SELECTED CITATIONS

- [IF=3.9]** Zhang Xiaoyu. et al. Ginger inhibits the invasion of ovarian cancer cells SKOV3 through CLDN7, CLDN11 and CD274 m6A methylation modifications. BMC COMPLEMENT MED. 2024 Dec;24(1):1-14 WB ;Human. 38575994