bs-7056R

[Primary Antibody]

FTO Rabbit pAb



400-901-9800 - DATASHEET -Host: Rabbit Isotype: IgG Applications: WB (1:500-2000) Clonality: Polyclonal Reactivity: Human, Mouse, Rat GenelD: 79068 SWISS: Q9C0B1 Target: FTO Predicted 58 kDa Immunogen: KLH conjugated synthetic peptide derived from human Protein fatso: 165-265/505. MW.: 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 3methylcytosine. 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-7056R) 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 -

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- [IF=5.714] Xuhua Sun. et al. Identification of clinical heterogeneity and construction of a novel subtype predictive model in patients with ankylosing spondylitis: An unsupervised machine learning study. INT IMMUNOPHARMACOL. 2023

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- [IF=6.376] Wang, Xiaoying. et al. LncRNA FENDRR with m6A RNA methylation regulates hypoxia-induced pulmonary artery endothelial cell pyroptosis by mediating DRP1 DNA methylation. MOL MED. 2022 Dec;28(1):1-20 WB ;Human. 36284300