

Product datasheet for **TA342384**

FTO Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen for anti-Fto antibody: synthetic peptide corresponding to a region of Mouse. Synthetic peptide located within the following region: MKRVQTAEEEREREAKKLRLLEELEDTWLPYLTPKDDEFYQQWQLKYPKLV |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 58 kDa |
| Gene Name: | fat mass and obesity associated |
| Database Link: | NP_001073901 Entrez Gene 26383 Mouse Q9C0B1 |
| Background: | Fto is a dioxygenase that repairs alkylated DNA and RNA by oxidative demethylation. Fto has highest activity towards single-stranded RNA containing 3-methyluracil, followed by single-stranded DNA containing 3-methylthymine. Fto has low demethylase activity towards single-stranded DNA containing 1-methyladenine or 3-methylcytosine. Fto has no activity towards 1-methylguanine and no detectable activity towards double-stranded DNA. Fto requires molecular oxygen, alpha-ketoglutarate and iron. Fto contributes to the regulation of the global metabolic rate, energy expenditure and energy homeostasis. Fto contributes to the regulation of body size and body fat accumulation. |

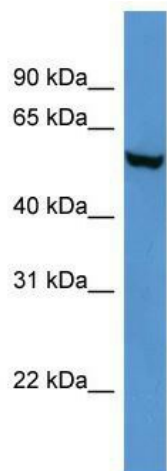


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Synonyms: ALKBH9; BMIQ14; GDFD

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Rabbit: 93%; Yeast: 90%

Product images:



WB Suggested Anti-Fto Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive Control: Mouse Brain