

Product datasheet for **TA306766**

FTO Rabbit Polyclonal Antibody

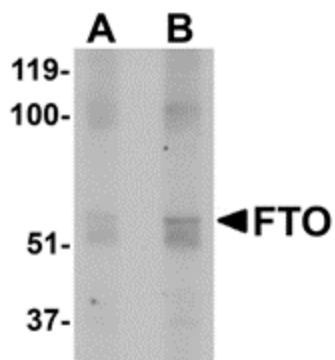
Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | WB: 1 - 2 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | FTO antibody was raised against a 15 amino acid synthetic peptide from near the amino terminus of human FTO. The immunogen is located within the first 50 amino acids of FTO. |
| Formulation: | PBS containing 0.02% sodium azide. |
| Concentration: | 1ug/ul |
| Purification: | Affinity chromatography purified via peptide column |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | fat mass and obesity associated |
| Database Link: | NP_001073901 Entrez Gene 79068 Human Q9C0B1 |
| Background: | Rising obesity rates are rapidly becoming a growing health concern in the developing world. The fat mass and obesity associated gene (FTO) is the first gene discovered to contribute to common forms of human obesity. FTO is a member of the non-heme dioxygenase superfamily, encoding a 2-oxoglutarate-dependent nucleic acid demethylase whose mRNA is widely expressed, especially in neurons of feeding-related nuclei of the brain. FTO mRNA in the arcuate nucleus in mice is up-regulated by feeding and down-regulated during fasting, although the opposite pattern has been observed in rats. At least four isoforms of FTO are known to exist. |
| Synonyms: | ALKBH9; BMIQ14; GDFD |

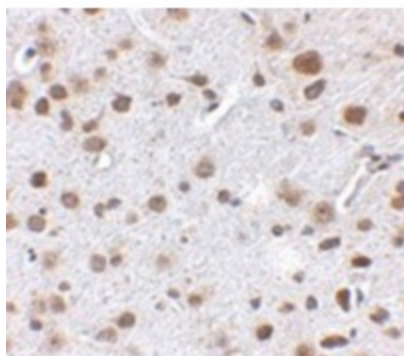


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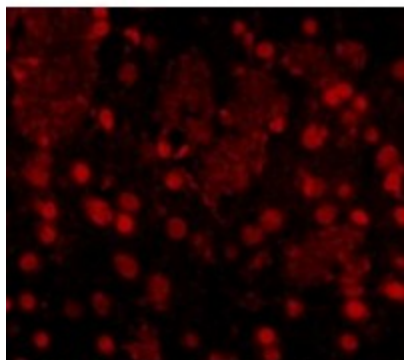
Product images:



Western blot analysis of FTO in human uterus tissue lysate with FTO antibody at (A) 1 and (B) 2 ug/ml.



Western blot analysis of FTO in human uterus tissue lysate with FTO antibody at (A) 1 and (B) 2ug/ml.



Immunohistochemistry of FTO in mouse brain tissue with FTO antibody at 2.5ug/ml.