

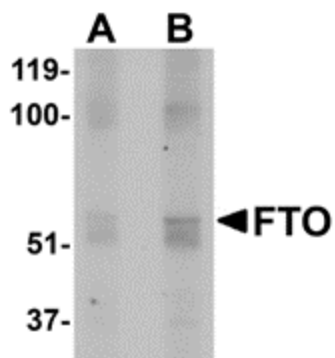
Product datasheet for **TA306766**

FTO Rabbit Polyclonal Antibody

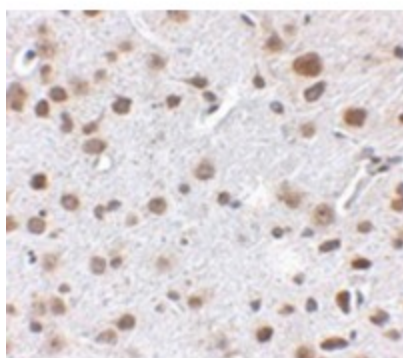
Product data:

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

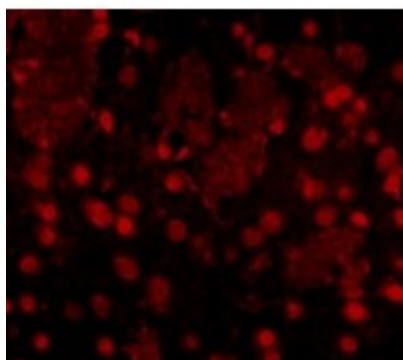

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Product images:


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.