Datasheet for ABIN499863

anti-FTO antibody (N-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	FTO
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FTO antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	FTO antibody was raised against a 15 amino acid peptide from near the amino terminus of human FTO.
Isotype:	IgG
Specificity:	This antibody reacts to FTO.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	FTO
Alternative Name:	FTO (FTO Products)

Target Details

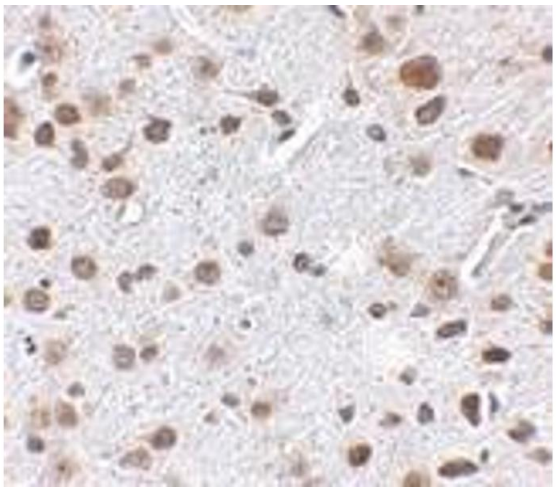
Background:	Rising obesity rates are rapidly becoming a growing health concern in the developing world. The fat mass and obesity associated gene (FTO) is the first gene discovered to contribute to common forms of human obesity. FTO is a member of the non-heme dioxygenase superfamily, encoding a 2-oxoglutarate-dependent 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: Fat mass and obesity-associated protein, KIAA1752
Gene ID:	79068
UniProt:	Q9C0B1

Application Details

Application Notes:	ELISA. Western Blot: 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

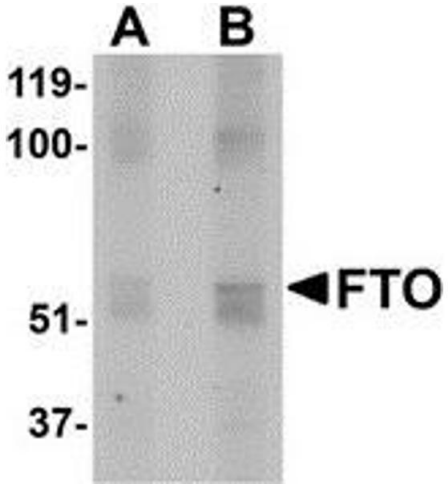
Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of FTO in mouse brain tissue with FTO antibody at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of FTO in human uterus tissue lysate with AP30350PU-N FTO antibody at (A) 1 and (B) 2 µg/ml.