

Datasheet for ABIN2782981
anti-FTO antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µL
Target:	FTO
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FTO antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human FTO
Sequence:	WWCQPMASLE ALWKKMEGVN NAVLHEVKRE GLPVEQRNEI LTAILASLTA
Predicted Reactivity:	Dog: 86%, Guinea Pig: 100%, Horse: 79%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against FTO. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	FTO
Alternative Name:	FTO (FTO Products)
Background:	The exact function of this gene is not know. Studies in mice suggest that it may be involved in

Target Details

nucleic acid demethylation, and that its mRNA level is regulated by feeding and fasting. Genomewide association studies of type 2 diabetes indicate this gene as a diabetes susceptibility locus. Mutation in this gene has been associated with growth retardation, developmental delay, coarse facies, and early death.

Alias Symbols: KIAA1752, MGC5149

Protein Interaction Partner: UBC, SUMO1, NEDD8, BCCIP, CNDP2, DAK, NDRG1, NPEPPS, SLC9A3R1, CTSA, PEPD, MVD, LDHB, LDHA, EEF2, CKB,

Protein Size: 505

Molecular Weight: 58 kDa

Gene ID: 79068

NCBI Accession: [NM_001080432](#), [NP_001073901](#)

UniProt: [Q9C0B1](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 505 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

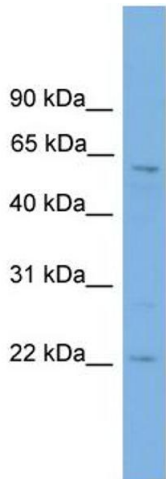
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

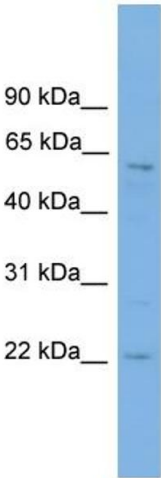
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-FTO Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: PANC1 cell lysate



Rabbit Anti-FTO Antibody
Catalog Number: ARP47474
Lot Number: QC15999
Lane: PANC1 Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-FTO Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1::2500 Positive Control: PANC1 cell lysate