

## FTO Rabbit Polyclonal Antibody

Catalog No: #53847

Package Size: #53847-1 50ul #53847-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

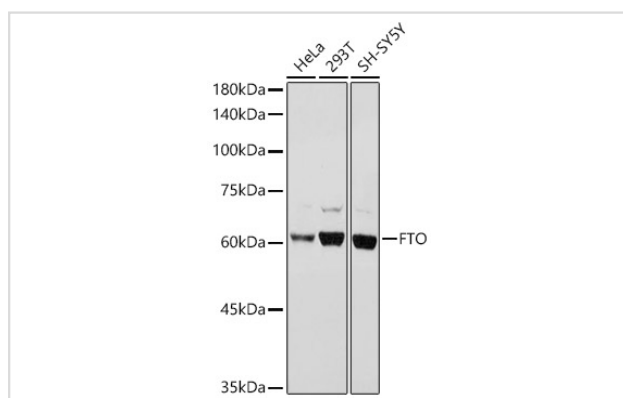
## Description

Product Name	FTO Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human FTO (NP_001073901.1).
Conjugates	Unconjugated
Other Names	FTO;ALKBH9;BMIQ14;GDFD
Accession No.	Uniprot:Q9C0B1GeneID:79068
Calculated MW	6kDa/12kDa/14kDa/58kDa
SDS-PAGE MW	60KDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

## Application Details

WB □ 1:500 - 1:2000

## Images



Western blot analysis of extracts of various cell lines, using FTO antibody.

## Background

This gene is a nuclear protein of the AlkB related non-haem iron and 2-oxoglutarate-dependent oxygenase superfamily but the exact physiological function of this gene is not known. Other non-heme iron enzymes function to reverse alkylated DNA and RNA damage by oxidative demethylation. Studies in mice and humans indicate a role in nervous and cardiovascular systems and a strong association with body mass index, obesity risk, and type 2 diabetes.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.