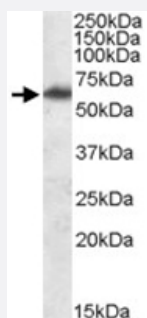


# Fto polyclonal antibody

Catalog # PAB11419      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Fto polyclonal antibody (Cat # PAB11419) (0.03 ug/mL) staining of human pancreas lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

**Product Description** Goat polyclonal antibody raised against synthetic peptide of Fto.

**Immunogen** A synthetic peptide corresponding to mouse Fto.

**Sequence** QQKPDCRPYWEKDD

**Host** Goat

**Theoretical MW (kDa)** 58

**Reactivity** Human

**Form** Liquid

**Purification** Antigen affinity purification

**Concentration** 0.5 mg/mL

**Quality Control Testing** Antibody Reactive Against Synthetic Peptide.

**Recommend Usage**  
ELISA (1:128000)  
Western Blot (0.03-0.1 ug/mL)  
The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — Fto

Entrez GeneID	<a href="#">26383</a>
Protein Accession#	<a href="#">NP_036066.2</a>
Gene Name	Fto
Gene Alias	AW743446, mKIAA1752
Gene Description	fat mass and obesity associated
Gene Ontology	<a href="#">Hyperlink</a>
Other Designations	OTTMUSP00000031320 fat mass and obesity-associated protein

## Publication Reference

- [FTO modulates circadian rhythms and inhibits the CLOCK-BMAL1-induced transcription.](#)

Wang CY, Shie SS, Hsieh IC, Tsai ML, Wen MS.

Biochemical and Biophysical Research Communications 2015 Aug; 464(3):826.

Application: IF, IP-WB, WB-Ce, WB-Ti, Mouse, Livers, MEF, NIH-3T3 cells

- [The obesity-associated FTO gene encodes a 2-oxoglutarate-dependent nucleic acid demethylase.](#)

Gerken T, Girard CA, Tung YC, Webby CJ, Saudek V, Hewitson KS, Yeo GS, McDonough MA, Cunliffe S, McNeill LA, Galvanovskis J, Rorsman P, Robins P, Prieur X, Coll AP, Ma M, Jovanovic Z, Farooqi IS, Sedgwick B, Barroso I, Lindahl T, Ponting CP, Ashcroft FM, O'Rahilly S, Schofield CJ.

Science 2007 Nov; 318(5855):1469.