

FTO Polyclonal Antibody

Catalog NumberPA5-18942

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Goat / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	Dilution *0.03-0.1 µg/mL
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Synthetic peptide sequence (QQKPDCRPYWEEKDD) corresponding to the internal amino acids of Fto		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Ammonium sulfate precipitation		
Storage buffer	TBS, pH 7.3, with 0.5% BSA		
Contains	0.02% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with canine, mouse, porcine and rat based on sequence homology. This antibody is tested in Peptide ELISA: antibody detection limit dilution 128,000.

Background/Target Information

FTO is a novel protein and a member of the non-heme dioxygenase (Fe(II)-and 2-oxoglutarate-dependent dioxygenases) superfamily. Amino acid conservation patterns support this hypothesis and indicates that both 2-oxoglutarate and iron should be important for FTO function. Though not much is yet known about FTO, it is thought that the protein may somehow modify the activity of genes involved in metabolism and fat storage, which in turn may influence a person's risk of obesity.

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Product Images For FTO Polyclonal Antibody



FTO Antibody (PA5-18942) in WB

Western blot analysis of FTO using FTO Polyclonal Antibody (Product # PA5-18942) (0.03 µg/mL) in staining of Human Pancreas lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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