

## Product datasheet for **TA349997S**

### FTO Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human fetal brain tissue IHC: 100-300 Positive control: Human breast cancer Predicted cell location: Cytoplasm or Nucleus
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human FTO
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58 kDa
Gene Name:	fat mass and obesity associated
Database Link:	<a href="#">NP_001073901</a> <a href="#">Entrez Gene 79068 Human</a> <a href="#">Q9C0B1</a>

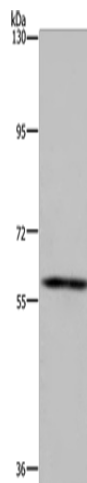
**Background:** This gene is a nuclear protein of the AlkB related non-haem iron and 2-oxoglutarate-dependent oxygenase superfamily but the exact physiological function of this gene is not known. Other non-heme iron enzymes function to reverse alkylated DNA and RNA damage by oxidative demethylation. 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.



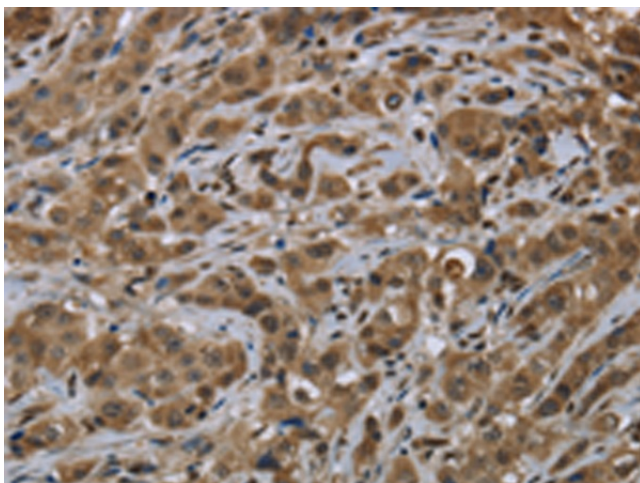
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Synonyms: ALKBH9; BMIQ14; GDFD

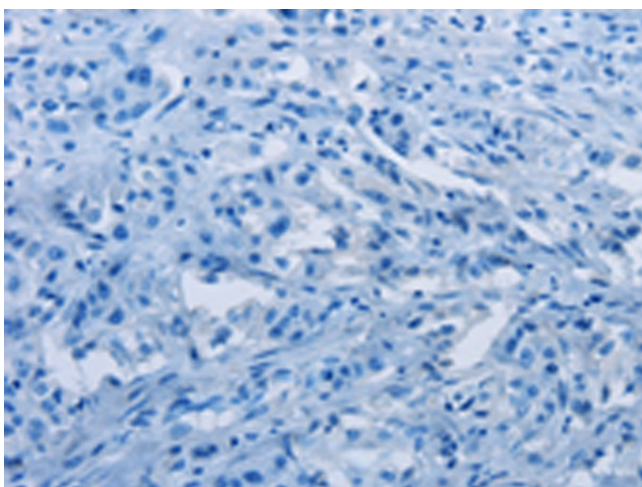
### Product images:



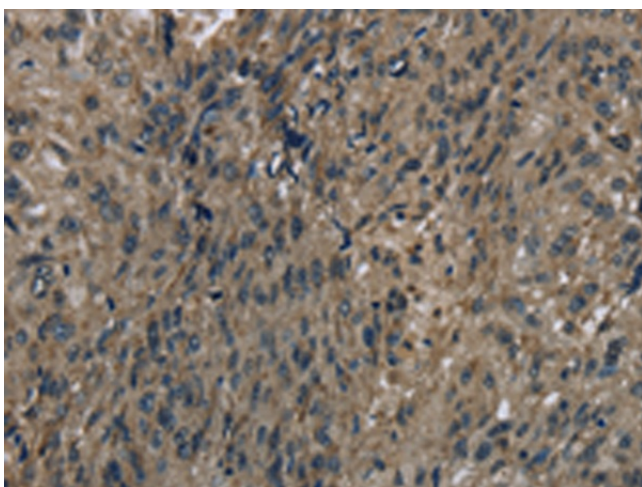
Gel: 6%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: Human fetal brain tissue  
Primary antibody: [TA349997] (FTO Antibody) at dilution 1/650  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 5 minutes



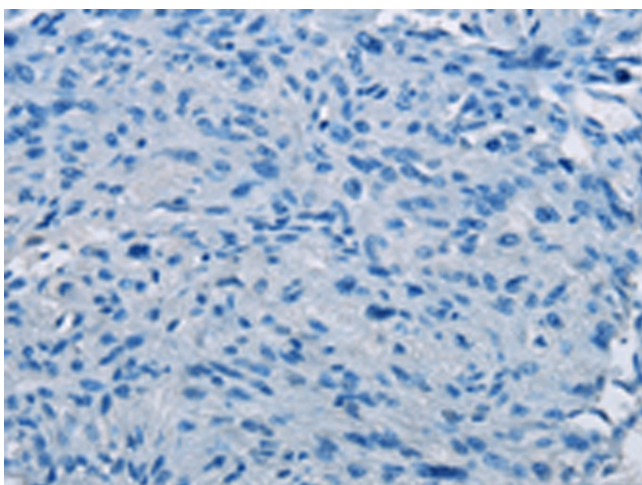
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA349997] (FTO Antibody) at dilution 1/60 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA349997] (FTO Antibody) at dilution 1/60, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA349997] (FTO Antibody) at dilution 1/60, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA349997] (FTO Antibody) at dilution 1/60, treated with fusion protein. (Original magnification:  $\times 200$ )