

## FTO RABBIT PAB

**Cat.#:** S217458

**Product Name:** Anti-FTO Rabbit Polyclonal Antibody

**Synonyms:** GDFD; ALKBH9; BMIQ14

**UNIPROT ID:** Q9C0B1 (Gene Accession - BC003583 )

**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. [provided by RefSeq, Jul 2011]

**Immunogen:** Fusion protein of human FTO

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

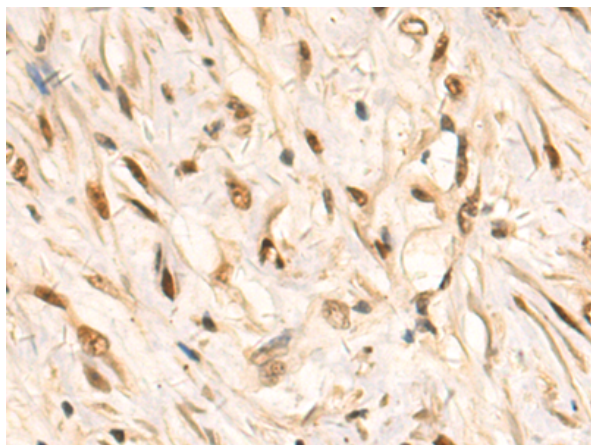
**Purification:** Antigen affinity purification

**Species Reactivity:** Human

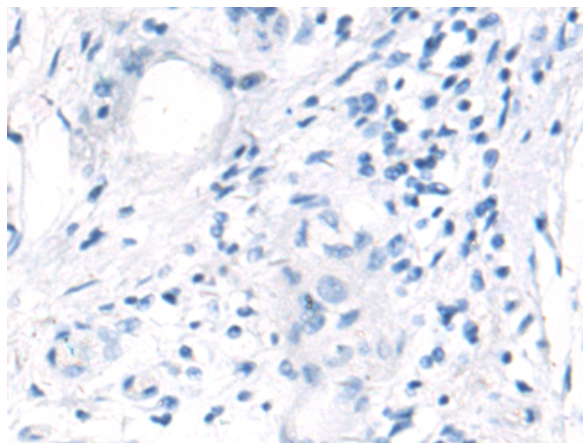
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Metabolism, Neuroscience, Cardiovascular

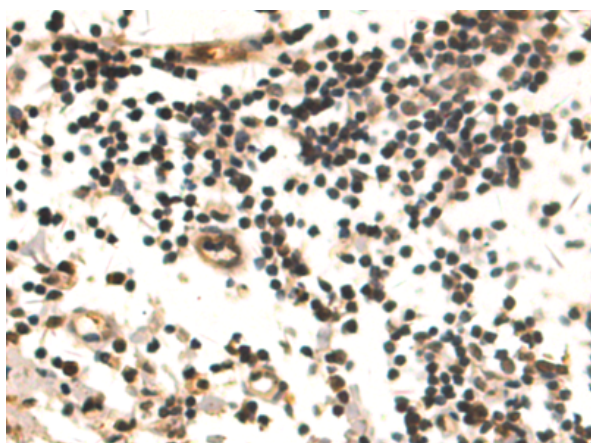
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



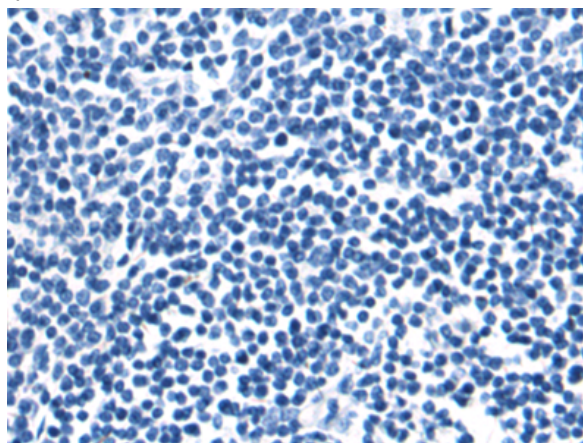
Immunohistochemistry analysis of paraffin embedded Human prostate cancer tissue using 217458(FTO Antibody) at a dilution of 1/80(Cytoplasm and Nucleus).



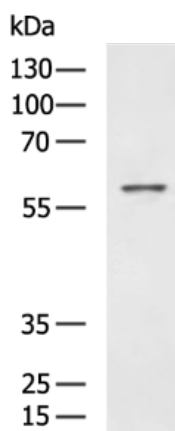
In comparison with the IHC on the left, the same paraffin-embedded Human prostate cancer tissue is first treated with the fusion protein and then with 217458(Anti-FTO Antibody) at dilution 1/80.



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using 217458(Anti-FTO Antibody) at a dilution of 1/80.



In comparison with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with fusion protein and then with D222388(Anti-FTO Antibody) at dilution 1/80.



Gel: 8%SDS-PAGE, Lysate: 40 µg;  
Lane: HepG2 cell lysate;  
Primary antibody: 217458(FTO Antibody) at dilution 1/1150;  
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
Exposure time: 90 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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