

Product Datasheet

Anti-FTO Rabbit pAb

For Research Use Only. Not For Use In Diagnostic Procedures



WL05010

Product Information

| | | |
|-----------------------|---|---------------|
| Product name | Anti-FTO Rabbit pAb | |
| Source | Rabbit | |
| Species reactivity | Human, Mouse, Rat | |
| Tested applications | WB | 1:1000-1:2000 |
| | IHC | 1:100-1:400 |
| Cellular localization | Nucleus, Cytoplasm. | |
| Pack size | 50/100/200/500/1000µl | |
| Storage | Store at -20°C. Avoid freeze/thaw cycles. | |
| Storage buffer | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide | |

General Information

Background
FTO (fat mass and obesity associated) is a dioxygenase that repairs alkylated DNA and RNA by oxidative demethylation. FTO contributes to the regulation of the global metabolic rate, energy expenditure, energy homeostasis, regulation of body size and body fat accumulation. FTO has recently been shown to have the highest activity towards demethylation of 6-methyladenine in single-stranded RNA suggesting that FTO is involved in processing of nuclear RNAs and may play an important role in RNA epigenetics.

Immunogen
Polyclonal antibody is produced by immunizing animals with a synthetic peptide of FTO.

Purification
Polyclonal antibody was purified by Protein A affinity chromatography.

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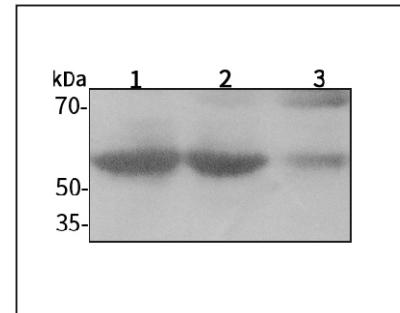
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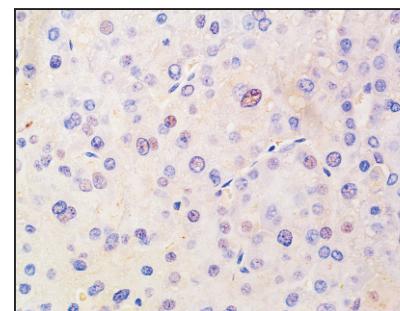
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Product Images



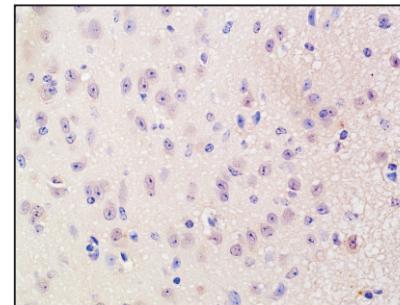
Western blot-Anti-FTO pAb

Lane 1: Human Hela cell lysate
Lane 2: Human MCF-7 cell lysate
Lane 3: Human HEK-293 cell lysate
All lanes: Anti-FTO at 1:1000 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 58 kDa
Observed band size: 58 kDa



Immunohistochemistry-Anti-FTO pAb

Immunohistochemical analysis of paraffin-embedded human liver cancer using anti-FTO Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-FTO pAb

Immunohistochemical analysis of paraffin-embedded mouse cerebral cortex using anti-FTO Rabbit Antibody at 1:200 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.

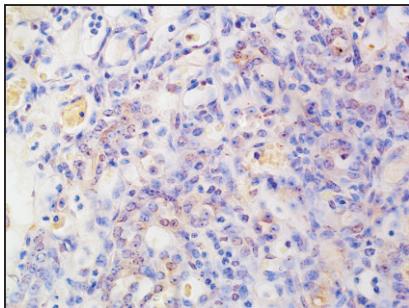
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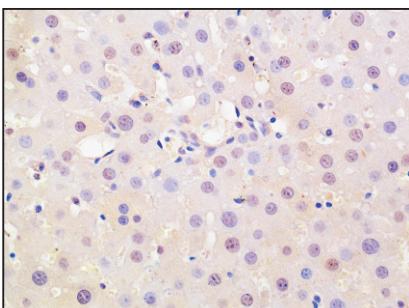
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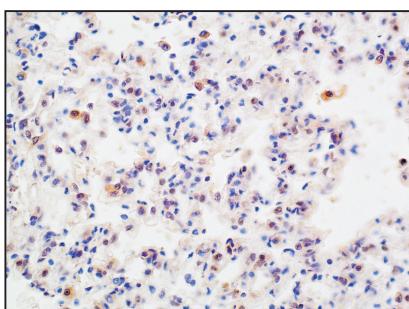
Immunohistochemistry-Anti-FTO pAb

Immunohistochemical analysis of paraffin-embedded mouse kidney using anti-FTO Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-FTO pAb

Immunohistochemical analysis of paraffin-embedded rat liver using anti-FTO Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.



Immunohistochemistry-Anti-FTO pAb

Immunohistochemical analysis of paraffin-embedded rat lung using anti-FTO Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0.