

**Product Name: FTO Rabbit Monoclonal Antibody****Catalog #: AMRe85584**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.62mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 58 kDa; Observed MW: 58 kDa

**Antigen Information**

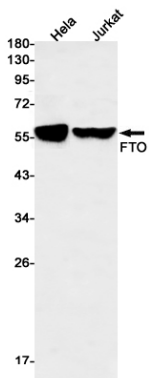
<b>Gene Name</b>	FTO
<b>Alternative Names</b>	FTO; KIAA1752; Alpha-ketoglutarate-dependent dioxygenase FTO; Fat mass and obesity-associated protein
<b>Gene ID</b>	79068.0
<b>SwissProt ID</b>	Q9C0B1
<b>Immunogen</b>	A synthetic peptide of human FTO

**Background**

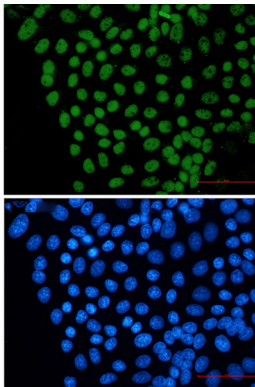
Dioxygenase that repairs alkylated DNA and RNA by oxidative demethylation. Has highest activity towards single-stranded RNA containing 3-methyluracil, followed by single-stranded DNA containing 3-methylthymine.

## Research Area

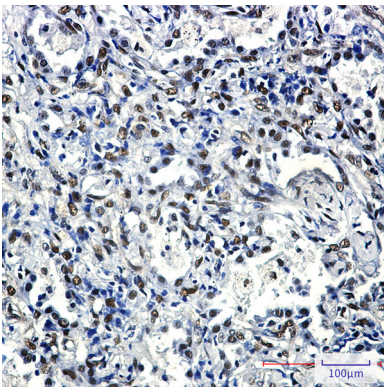
## Image Data



Western blot analysis of FTO in HeLa, Jurkat lysates using FTO antibody.



Immunocytochemistry analysis of FTO (green) in HeLa using FTO antibody, and DAPI (blue)



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using FTO antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.