Recombinant FTO Monoclonal Antibody

catalog number: **E-AB-81470**

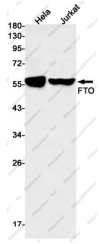
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	A synthetic peptide of human FTO
Host	Rabbit
Isotype	Rabbit IgG
Clone	C313256
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications	Recommended Dilution
WB	1:2000-5000
IHC	1:50-1:100
IF	1:20-1:100

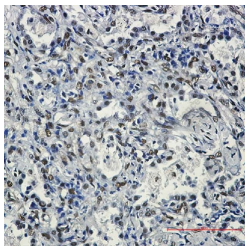
Data



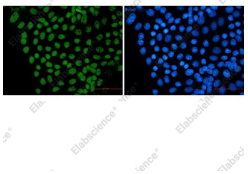
Western blot detection of FTO in Hela,Jurkat cell lysates using FTO Rabbit mAb(1:500 diluted).Predicted band size:58kDa.Observed band size:58kDa.

Observed-MW:58 kDa

Calculated-MW:58 kDa



Immunohistochemistry of FTO in paraffin-embedded Human lung cancer tissue using FTO Rabbit mAb at dilution 1:50



Immunofluorescence of FTO (green) in Hela using FTO Rabbit mAb at dilution 1:50, and DAPI(blue)

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

Toll-free: 1-888-852-8623
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Web: www.elabscience.com
Email: techsupport@elabscience.com

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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