

## FTO Rabbit mAb (AR1201)

### Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IHC,IF,ELISA
Isotype:	IgG,Kappa
MW:	58kD (Calculated) 58kD (Observed)

### Recommended Dilution Ratios

IHC:	1:3000-20000
WB:	1:1000-5000
IF:	1:200-1000
ELISA:	1:5000-20000

Storage	-15°C to -25°C/1 year (Do not lower than -25°C)
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### Basic Information

Clonality	Monoclonal
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### Immunogen Information

Specificity	Endogenous
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### Target Information

Gene name	FTO
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Protein Name	Alpha-ketoglutarate-dependent dioxygenase FTO
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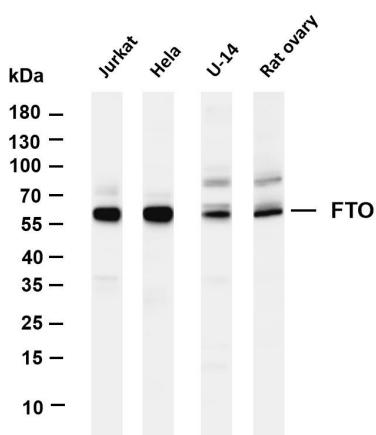
Organism	Gene ID	UniProt ID
Human	79068	Q9C0B1
Mouse	26383	Q8BGW1
Rat	291905	Q2A121

Cellular Localization	Cytoplasm, Nucleus
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Tissue specificity	Ubiquitously expressed, with relatively high expression in adrenal glands and brain; especially in hypothalamus and pituitary (PubMed:17434869, PubMed:17496892). Highly expressed in highly expressed in acute myeloid leukemias (AML) with t (11;11)
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(q23;23) with KMT2A/MLL1 rearrangements, t (15;17) (q21; q21)/PML-RARA, FLT3-ITD, and/or NPM1 mutations (PubMed:28017614).

## Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti- FTO antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

Lane 1: Jurkat

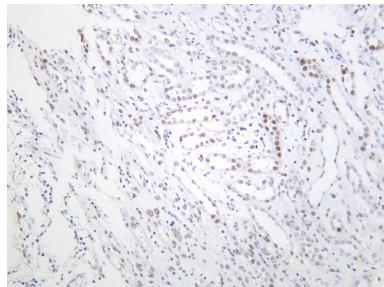
Lane 2: HeLa

Lane 3: U-14

Lane 4: Rat ovary

Predicted band size: 58kDa

Observed band size: 58kDa



Human kidney was stained with anti-FTO rabbit antibody

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