FTO Rabbit Polyclonal Antibody

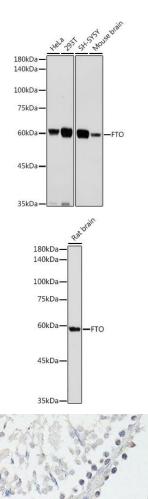
CAB1438



Product Information	Protein Background
Size:	This gene is a nuclear protein of the AlkB related non-haem iron and 2-oxoglutarate-depender
20uL, 50uL, 100uL, 200uL	oxygenase superfamily but the exact physiological function of this gene is not known. Othe non-heme iron enzymes function to reverse alkylated DNA and RNA damage by oxidativ
Observed MW:	demethylation. Studies in mice and humans indicate a role in nervous and cardiovascula systems and a strong association with body mass index, obesity risk, and type 2 diabetes.
60KDa	
Calculated MW:	Immunogen information
6kDa/12kDa/14kDa/58kDa	Gene ID:
0KDd/12KDd/14KDd/30KDd	79068
Applications:	
WB IHC IP	Uniprot O9C0B1
Reactivity:	
Human, Mouse, Rat	Synonyms: FTO; ALKBH9; BMIQ14; GDFD
Antibody Information	
Recommended dilutions: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IP 1:50 - 1:200	Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 416-505 of human FTO (NP_001073901.1).
Source:	-
Rabbit	Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Isotype	

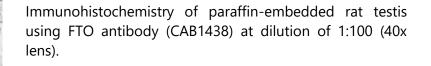
lsotype: lgG

Purification: Affinity purification



Western blot analysis of extracts of various cell lines, using FTO antibody (CAB1438) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.

Western blot analysis of extracts of Rat brain, using FTO antibody (CAB1438) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded mouse testis using FTO antibody (CAB1438) at dilution of 1:100 (40x lens).