

Product Datasheet

FTO Antibody NB110-60935SS

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 1

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NB110-60935SS

FTO Antibody

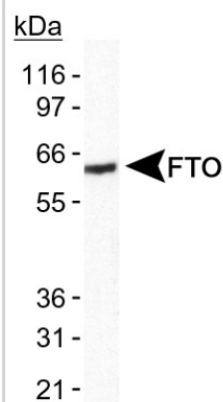
Product Information	
Unit Size	0.025 ml
Concentration	1.1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Purity	Immunogen affinity purified
Buffer	Tris-citrate/phosphate, pH 7-8
Target Molecular Weight	60 kDa

Product Description	
Host	Rabbit
Gene ID	79068
Gene Symbol	FTO
Species	Human, Mouse, Primate
Species Reactivity	Human, mouse and monkey.
Immunogen	A synthetic peptide within the C-terminal region (residues 400-505) of the human FTO protein. [Swiss-Prot# Q9C0B1]

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 0.5 ug/ml
Application Notes	This FTO antibody is useful for Western blot analysis, where a band is seen at ~60 kDa.

Images

Western Blot: FTO Antibody [NB110-60935] - Detection of FTO in human brain lysate using anti-FTO NB110-60935.

**Publications**

Tiwari A, Krzysik-Walker SM, Ramachandran R. Cloning and characterization of chicken fat mass and obesity associated (Fto) gene: fasting affects Fto expression. Domestic Animal Endocrinology.

Procedures

Protocol specific for FTO Antibody (NB110-60935)

Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 35 ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Rinse membrane with dH₂O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% non-fat dry milk + 1% BSA in TBS, overnight at 4C.
6. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
7. Dilute the rabbit anti-FTO primary antibody (NB110-60935) in blocking buffer and incubate 1 hour at room temperature.
8. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce Pico ECL).

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

