

# Product Datasheet

## FTO Antibody (AG103) - Azide and BSA Free **NBP2-80051-100ug**

Unit Size: 100 ug

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

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**NBP2-80051-100ug**

FTO Antibody (AG103) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	AG103
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	0.2 um-filtered solution in PBS, pH 7.4

**Product Description**

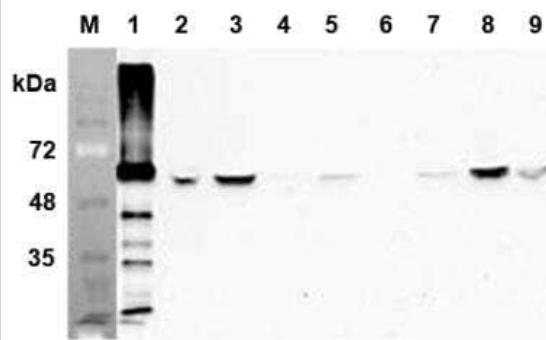
<b>Description</b>	Novus Biologicals Mouse FTO Antibody (AG103) - Azide and BSA Free (NBP2-80051) is a monoclonal antibody validated for use in IHC, WB, ELISA and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	79068
<b>Gene Symbol</b>	FTO
<b>Species</b>	Human
<b>Immunogen</b>	Recombinant human FTO.

**Product Application Details**

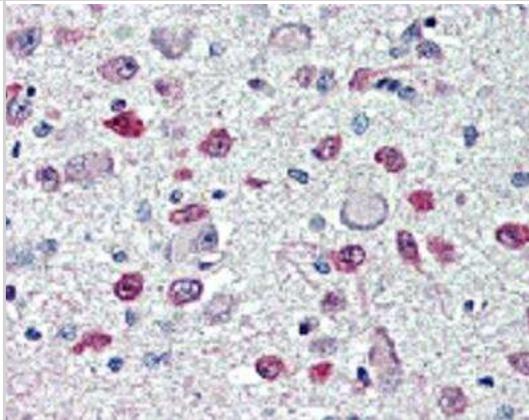
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:2000 - 1:5000, ELISA 1:2000 - 1:5000, Immunohistochemistry 5 - 10 ug/mL, Immunoprecipitation 5 ug/mL, Immunohistochemistry-Paraffin 5 - 10 ug/mL
<b>Application Notes</b>	Immunoprecipitation: 5 ug/ml per sample in a final reaction volume of 500-1000 ul.  Western Blot: 1:2000-1:5000 using ECL. Suggested blocking and dilution buffer is PBST containing 0.05% Tween 20 and 5% skim milk. Suggested incubation time is 1 hour at room temperature.

## Images

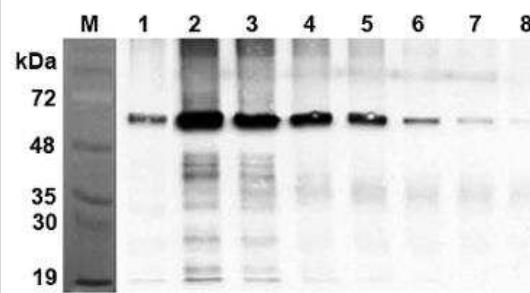
Western Blot: FTO Antibody (AG103) [NBP2-80051] - Analysis of human FTO using anti-human FTO mAb (AG103) at 1:1,000 dilution: 1. hFTO (His-tagged) 100ng. 2. HEK293T 100ug. 3. HEK293E 100ug. 4. HepG2 100ug. 5. Hep3B 50ug. 6. VIT1 80ug. 7. THP1 74ug. 8. Molt4 96ug. 9. A549 48ug



Immunohistochemistry-Paraffin: FTO Antibody (AG103) [NBP2-80051] - Immunohistochemical staining of FTO with anti-FTO (human), mAb (AG103) in brain, hypothalamus and paraventricular nucleus (5~10 ug/mL). This antibody has been tested in immunohistochemistry, analyzed by an anatomic pathologist and validated for use in IHC applications against formalinfixed, paraffin-embedded human tissues. The image shows the localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain (40x).



Immunoprecipitation: FTO Antibody (AG103) [NBP2-80051] - Immunoprecipitation of recombinant human FTO proteins using anti-FTO (human), mAb (AG103) at different concentrations. The precipitated proteins were separated by SDS-PAGE, electroblotted, and visualized by Western blot with rabbit anti-mouse FTO pAb. 1. hFTO (His-tagged) recombinant control 100ng. 2. hFTO (His-tagged) 5ug. 3. hFTO (His-tagged) 2.5ug. 4. hFTO (His-tagged) 1.25ug. 5. hFTO (His-tagged) 0.625ug. 6. hFTO (His-tagged) 0.312ug. 7. hFTO (His-tagged) 0.156ug. 8. hFTO (His-tagged) 0.078ug





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## Products Related to NBP2-80051-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NB110-60935PEP	FTO Antibody Blocking Peptide

## 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.

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