

# 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**

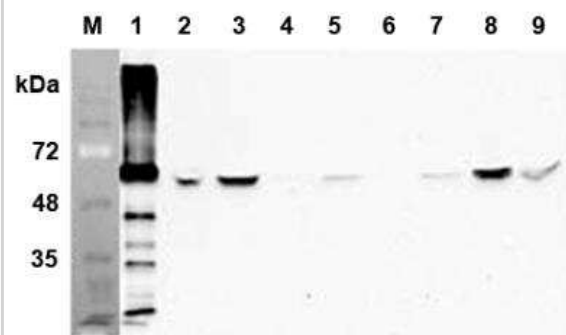
FTO Antibody (AG103) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	AG103
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	0.2 um-filtered solution in PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	79068
Gene Symbol	FTO
Species	Human
Immunogen	Recombinant human FTO.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	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
Application Notes	<p>Immunoprecipitation: 5 ug/ml per sample in a final reaction volume of 500-1000 ul.</p> <p>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.</p>

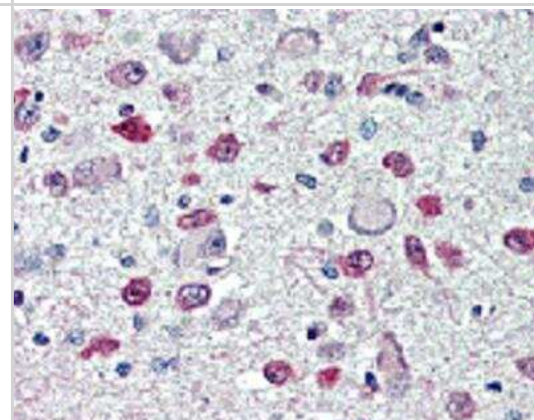


## Images

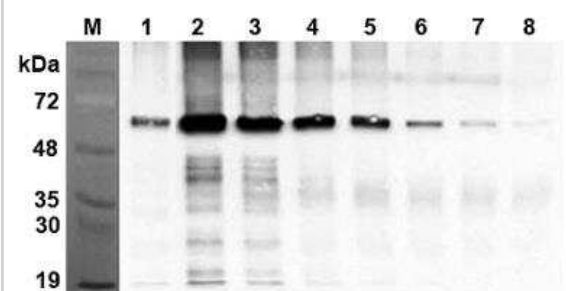
**Western Blot: FTO Antibody (AG103) [NBP2-80051] - Analysis of human FTO using anti-human FTO mAb (AG103) at 1:1,000 dilution:** 1. hFTO (His-tagged) 100ng. 2. HEK293T 100ug. 3. HEK293E 100ug. 4. HepG2 100ug. 5. Hep3B 50ug. 6. VIT1 80ug. 7. THP1 74ug. 8. Molt4 96ug. 9. A549 48ug



**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 formalin-fixed, 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**

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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

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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.

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