

# Product Datasheet

## 5-HT3A Antibody - BSA Free NB100-56351

Unit Size: 0.1 mg

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

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### Publications: 8

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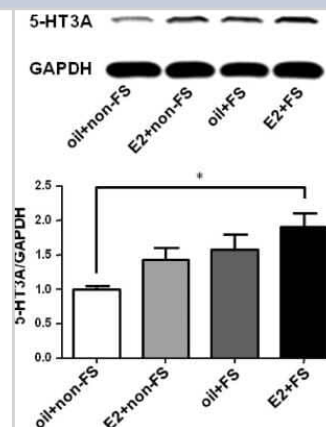
**NB100-56351**

5-HT3A Antibody - BSA Free

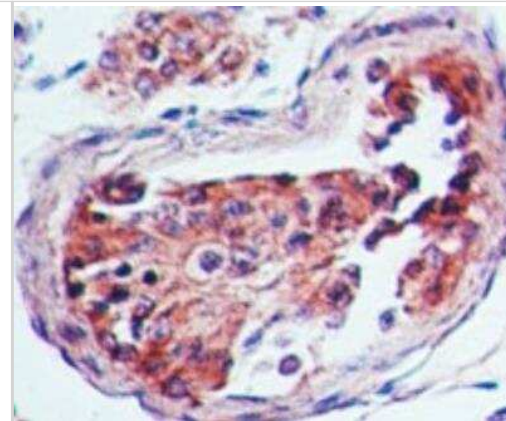
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	55 kDa
Product Description	
Host	Rabbit
Gene ID	3359
Gene Symbol	HTR3A
Species	Human, Mouse, Rat
Immunogen	This antibody was developed by immunizing rabbits with a mixture of synthetic peptides corresponding to amino acids 27-42 (RATQAHSTTQPALLRL) and 427-442 (LSSIRHSLEKRDEMRE) of rat 5-HT3 Receptor, accession number P35563.
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 3 ug/ml, Simple Western 1:50, Immunohistochemistry 1:20-1:1000, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Human Brain lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:50, apparent MW was 65 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

**Images**

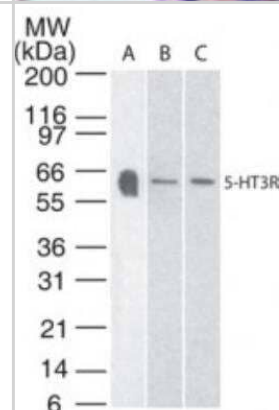
Western Blot: 5-HT3A Antibody [NB100-56351] - The expression of 5-HT3A receptor increased in the E2 + FS group compared to that in the oil + non-FS group. \*P < 0.05 versus the oil + non-FS group. E2: estradiol; FS: forced swim. Image collected and cropped by CiteAb from the following publication (<https://journals.sagepub.com/doi/10.1177/1744806919859723>), licensed under a CC-BY license.



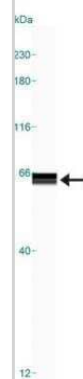
Immunohistochemistry-Paraffin: 5-HT3A Antibody [NB100-56351] - Analysis of 5-HT3A in human testis using 5-HT3A antibody at 5 ug/mL.



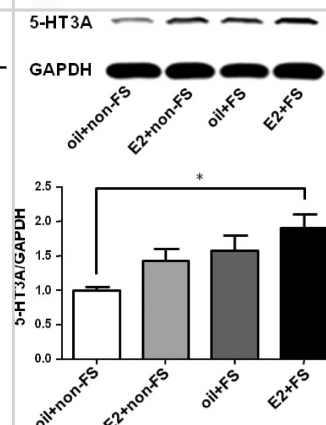
Western Blot: 5-HT3A Antibody [NB100-56351] - Analysis of 5-HT3A in A: human, B: mouse and C: rat brain tissue lysate using 5-HT3A antibody at 3 ug/mL.



Simple Western: 5-HT3A Antibody [NB100-56351] - Image shows a specific band for 5HT3A in 0.5 mg/mL of Human Brain lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



The expression of 5-HT3A receptor increased in the E2 + FS group compared to that in the oil + non-FS group. \*P < 0.05 versus the oil + non-FS group. E2: estradiol; FS: forced swim.



## Publications

CPJ Hunt, N Moriarty, CBJ van Deurse, CW Gantner, LH Thompson, CL Parish Understanding and modeling regional specification of the human ganglionic eminence *Stem Cell Reports*, 2023-02-16;0(0):. 2023-02-16 [PMID: 36801004]

Mo SY, Xue Y, Li Y et al. Descending serotonergic modulation from rostral ventromedial medulla to spinal trigeminal nucleus is involved in experimental occlusal interference-induced chronic orofacial hyperalgesia *The journal of headache and pain* 2023-05-10 [PMID: 37165344] (WB, IHC-FrFI, Rat)

Tao ZY, Qiu XY, Wei SQ et al. SAHA Inhibits Somatic Hyperalgesia Induced by Stress Combined with Orofacial Inflammation Through Targeting Different Spinal 5-HT Receptor Subtypes *Neurochemical research* 2022-01-29 [PMID: 35092569]

Huang Y, Huang J, Zhou QX et al. ZFP804A mutant mice display sex-dependent schizophrenia-like behaviors *Molecular psychiatry* 2020-12-10 [PMID: 33303946] (WB, Mouse)

Li JH, Yang JL, Wei SQ et al. Contribution of central sensitization to stress-induced spreading hyperalgesia in rats with orofacial inflammation *Mol Brain* 2020-07-28 [PMID: 32723345] (WB, Rat)

Li ZL, Xue Y, Tao ZY et al. Spinal 5-HT<sub>3</sub> Receptor Contributes to Somatic Hyperalgesia Induced by Sub-chronic Stress *Mol Pain*. 2019-06-10 [PMID: 31184246] (WB, Rat)

Stegemann A, Bohm M. Tropisetron via  $\alpha 7$  nicotinic acetylcholine receptor suppresses tumor necrosis factor- $\alpha$ -mediated cell responses of human keratinocytes. *Exp. Dermatol.* 2019-01-17 [PMID: 30653770] (WB, Human)

Nguyen H, Wang H, le T et al. Downregulated hypothalamic 5-HT<sub>3</sub> receptor expression and enhanced 5-HT<sub>3</sub> receptor antagonist-mediated improvement in fatigue-like behaviour in cholestatic rats. *Neurogastroenterol Motil.* 2008-03-01 [PMID: 17919312] (WB, Rat)

### Details:

5-HT<sub>3</sub> Receptor (IMG-367). WB: Rat hypothalamus. FIG 3. Sold through distributor.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-56351**

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NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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