

# 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   |

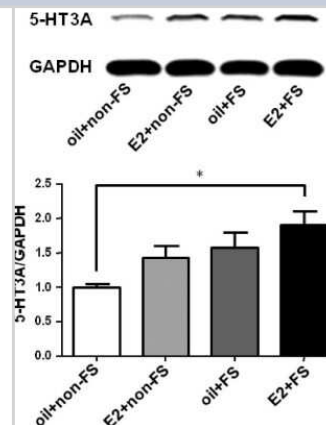
| Product Description |  |
|---------------------|--|
| Description         | Novus Biologicals Rabbit 5-HT3A Antibody - BSA Free (NB100-56351) is a polyclonal antibody validated for use in IHC, WB and Simple Western. Anti-5-HT3A Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| 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-Paraffin, Immunohistochemistry  |
| 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.<br>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. |

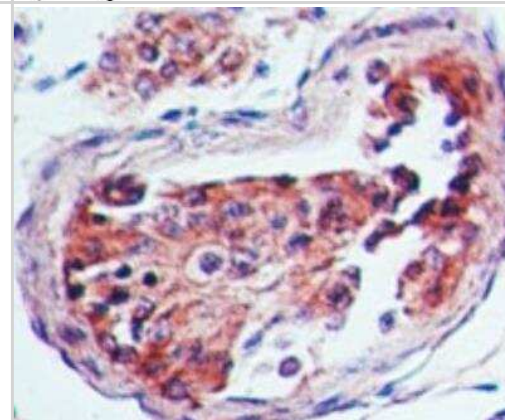


## Images

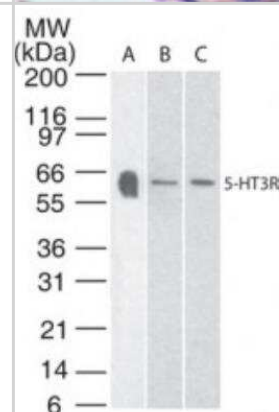
Western Blot: 5-HT3A Antibody [NB100-56351] - The expression of 5-HT3A receptor increased in the E2 + FS group compared to that in the oil + non-FS group. \*P < 0.05 versus the oil + non-FS group. E2: estradiol; FS: forced swim. Image collected and cropped by CiteAb from the following publication (<https://journals.sagepub.com/doi/10.1177/1744806919859723>),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



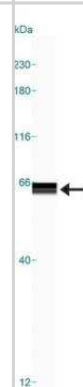
Immunohistochemistry-Paraffin: 5-HT3A Antibody [NB100-56351] - Analysis of 5-HT3A in human testis using 5-HT3A antibody at 5 ug/mL.



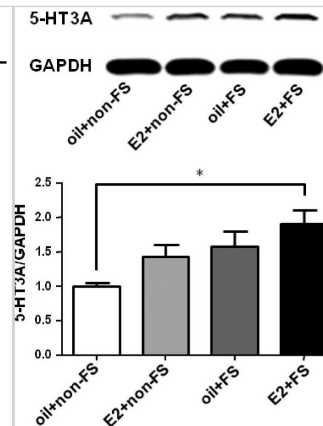
Western Blot: 5-HT3A Antibody [NB100-56351] - Analysis of 5-HT3A in A: human, B: mouse and C: rat brain tissue lysate using 5-HT3A antibody at 3 ug/mL.



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-HT<sub>3A</sub> 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.



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

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|             |  |
|-------------|--|
| NB820-59177 | Human Brain Whole Tissue Lysate (Adult Whole Normal) |
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP]                  |
| 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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