

Product Datasheet

5-HT3A Antibody NB100-56351

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 7

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-56351

Updated 12/20/2023 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-56351



NB100-56351**5-HT3A Antibody**

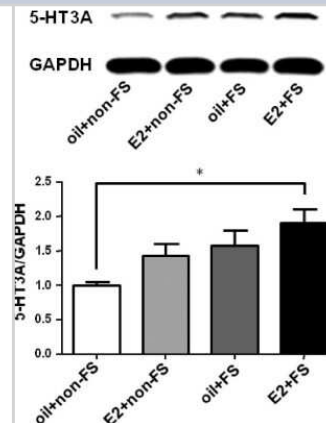
| Product Information | |
|-------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Purity | 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. |

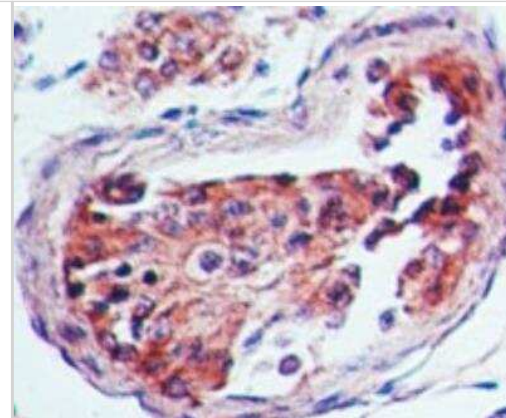
| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot 3 ug/ml, Simple Western 1:50, Immunohistochemistry 1:20-1:1000, Immunohistochemistry-Paraffin 5 ug/ml |
| Application Notes | In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. 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

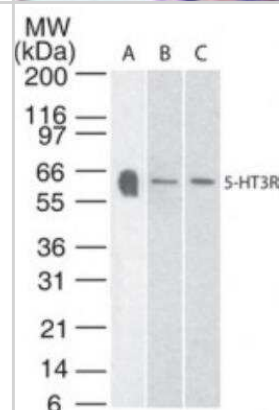
Western Blot: 5-HT3A Antibody [NB100-56351] - The expression of 5-HT3A receptor increased in the E2 + FS group compared to that in the oil + non-FS group. *P < 0.05 versus the oil + non-FS group. E2: estradiol; FS: forced swim. Image collected and cropped by CiteAb from the following publication (<https://journals.sagepub.com/doi/10.1177/1744806919859723>),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



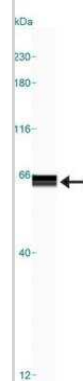
Immunohistochemistry-Paraffin: 5-HT3A Antibody [NB100-56351] - Analysis of 5-HT3A in human testis using 5-HT3A antibody at 5 ug/mL.



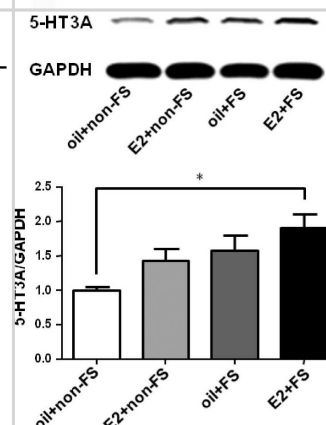
Western Blot: 5-HT3A Antibody [NB100-56351] - Analysis of 5-HT3A in A: human, B: mouse and C: rat brain tissue lysate using 5-HT3A antibody at 3 ug/mL.



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

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-HT₃ 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- α -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-HT₃ receptor expression and enhanced 5-HT₃ receptor antagonist-mediated improvement in fatigue-like behaviour in cholestatic rats. *Neurogastroenterol Motil.* 2008-03-01 [PMID: 17919312] (WB, Rat)

Details:

5-HT₃ 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

| | |
|-------------|--|
| 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 |

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 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-56351

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

