

Product Datasheet

5-HT7 Antibody NBP1-46598

Unit Size: 0.1 ml

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

www.novusbio.com



technical@novusbio.com

Publications: 5

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-46598

Updated 9/9/2025 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/NBP1-46598



NBP1-46598

5-HT7 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
Isotype	IgG
Purity	Unpurified
Buffer	Lyophilized from whole antisera

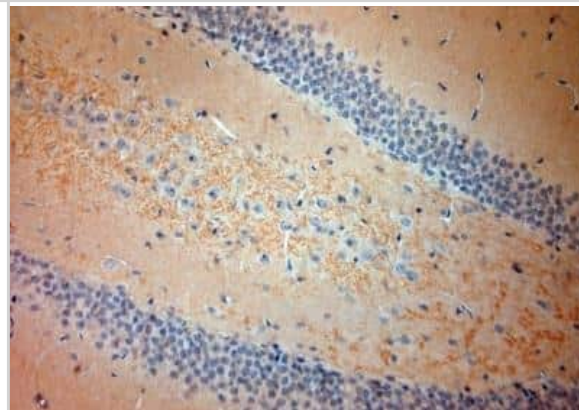
Product Description	
Description	Novus Biologicals Rabbit 5-HT7 Antibody (NBP1-46598) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-5-HT7 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3363
Gene Symbol	HTR7
Species	Human, Mouse, Rat, Guinea Pig
Immunogen	A synthetic peptide from human 5-HT7 conjugated to blue carrier protein was used as the antigen. The peptide is homologous in rat, mouse and guinea pig.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:1000, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin 1:1000
Application Notes	The optimal dilution should be determined by the end user. Although not tested this antibody may be useful in Immunohistochemistry-Frozen sections. Use in ICC/IF reported in scientific literature (PMID 28690143).



Images

Immunohistochemistry-Paraffin: 5-HT7 Antibody [NBP1-46598] - Sections of rat brain. Tris-EDTA, pH 9 for 20 min using Thermo PT Module. Blocking: 0.2% LFDM in TBST filtered thru 0.2 Aum.



Immunohistochemistry-Paraffin: 5-HT7 Antibody [NBP1-46598] - Sections of rat brain. Tris-EDTA, pH 9 for 20 min using Thermo PT Module. Blocking: 0.2% LFDM in TBST filtered thru 0.2 µm.



Publications

Demireva EY, Xie H, Flood ED et al. Creation of the 5-hydroxytryptamine receptor 7 knockout (5-HT7KO) Rat as a Tool for Cardiovascular Research *Physiol. Genomics* 2019-05-24 [PMID: 31125290] (Rat)

Santello M, Bisco A, Nevian NE et al. The brain-penetrant 5-HT7 receptor agonist LP-211 reduces the sensory and affective components of neuropathic pain *Neurobiol. Dis.* 2017-07-06 [PMID: 28690143] (ICC/IF, Mouse)

Altabella L, Sbriccoli M, Zoratto F et al. Differential responses to acute administration of a new 5-HT7-R agonist as a function of adolescent pre-treatment: pHMRI and immuno-histochemical study. *Front Behav Neurosci.* 2015-01-08 [PMID: 25565998] (IHC-P, Rat)

Altabella L, Sbriccoli M, Zoratto F. Differential responses to acute administration of a new 5-HT7-R agonist as a function of adolescent pre-treatment: pHMRI and immuno-histochemical study name: *Frontiers in behavioral neuroscience* et al. 2014-01-01 [PMID: 25565998] (IHC-P, Rat)

Zhiyong Yang, Xijin Liu, Yaping Yin, Shenggang Sun, Xuejun Deng, Involvement of 5-HT7 receptors in the pathogenesis of temporal lobe epilepsy, *European Journal of Pharmacology*, 101016/jejphar201204011. Involvement of 5-HT7 receptors in the pathogenesis of temporal lobe epilepsy, . *European Journal of Pharmacology*, 10.1016/j.ejphar.2012.04.011. 2012-01-01 [PMID: 22543085] (IF/IHC, Rat)



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 NBP1-46598

NBP1-46598PEP	5-HT7 Antibody Blocking Peptide
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

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/NBP1-46598

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

