

Product Datasheet

5-HT3A Antibody NB100-41382

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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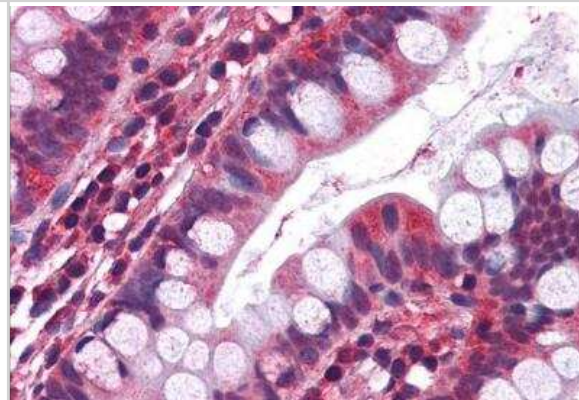


NB100-41382**5-HT3A Antibody**

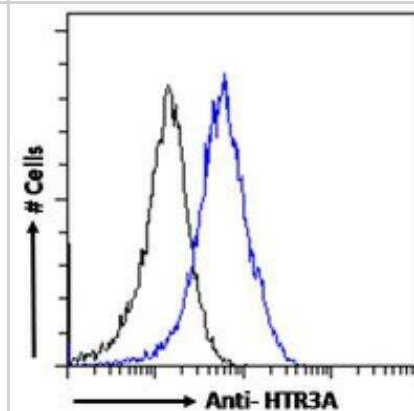
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	55 kDa
Product Description	
Host	Goat
Gene ID	3359
Gene Symbol	HTR3A
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported from a verified customer review.
Specificity/Sensitivity	This antibody is expected to recognise all three reported isoforms (NP_998786.2; NP_000860.2; NP_001155244.1).
Immunogen	Peptide with sequence C-GPQDFEKSPRDR corresponding to internal region according to NP_998786.2, NP_000860.2, NP_001155244.1.
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Flow Cytometry 10 ug/mL, Immunohistochemistry, Immunohistochemistry-Paraffin 3.75 ug/mL, Immunohistochemistry-Frozen, Peptide ELISA Detection limit 1:128000
Application Notes	This 5-HT3A Antibody is validated for IHC-Frozen from a verified customer review.

Images

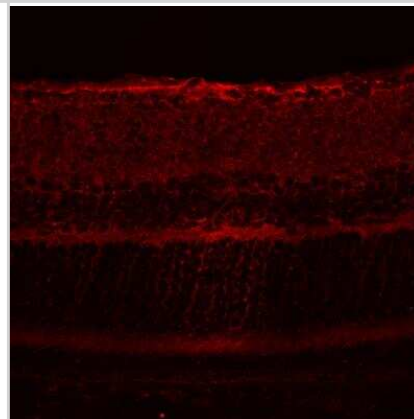
Immunohistochemistry-Paraffin: 5-HT3A Antibody [NB100-41382] - Staining of human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. Antibody at 3.75 ug/mL.



Flow Cytometry: 5-HT3A Antibody [NB100-41382] - Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunohistochemistry-Frozen: 5-HT3A Antibody [NB100-41382] - Analysis of 5-HT3A in C57BL/6 mouse retina section using anti-5-HT3A antibody. IHC-Fr image submitted by a verified customer review.



Publications

Wang J, Mei Y, Zhang X et al. Aberrant serotonergic signaling contributes to the hyperexcitability of CA1 pyramidal neurons in a mouse model of Alzheimer's disease *Cell reports* 2023-02-22 [PMID: 36821438] (WB, Mouse)

Details:

Dilution used in IHC-FrFI 1:500

Dremencov E, Weizmann Y, Kinor N et al. Modulation of dopamine transmission by 5HT2C and 5HT3 receptors: a role in the antidepressant response. *Curr Drug Targets* 2006-02-01 [PMID: 16475958]

Lee SO, Abdelrahim M, Yoon K et al. Inactivation of the orphan nuclear receptor TR3/Nur77 inhibits pancreatic cancer cell and tumor growth. *Cancer Res.* 2010-09-01 [PMID: 20660371] (WB)

Details:

HTR3A (IMG-30127) and SP1 (IMG-3860). WB: Endogenous p300 was immunoprecipitated with anti-p300 antibodies and the resulting immunoprecipitates were analyzed by WB using the Sp1 antibody (IMG-3860), Fig 6C. WB: Nuclear extracts from Panc1 cells were subject to WB with the TR3 and Sp1 antibody, Fig 5D. WB: Panc1 cells treated with Sp1 siRNA, Fig 4D. WB: Panc1 cells treated with TR3 siRNA, Fig 1D. Note: The Sp1 and TR3 antibodies was siRNA validated by WB in Panc1 cells, Figs 1D & 4D, respectively.

Lu CL, Hsieh JC, Dun NJ et al. Estrogen rapidly modulates 5-hydroxytryptophan-induced visceral hypersensitivity via GPR30 in rats. *Gastroenterology* 2009-09-01 [PMID: 19344720]





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Products Related to NB100-41382

NBL1-11779	5-HT3A Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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.

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