Product Datasheet

Serotonin Antibody (5HT-H209) - Unpurified
NB120-16007-500uL

Unit Size: 500 uL

Store at 4C. Do not freeze.

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Reviews: 2 Publications: 22

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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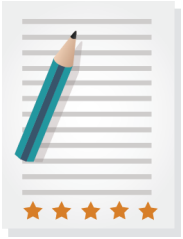
Updated 7/28/2024 v.20.1



NB120-16007-500uL

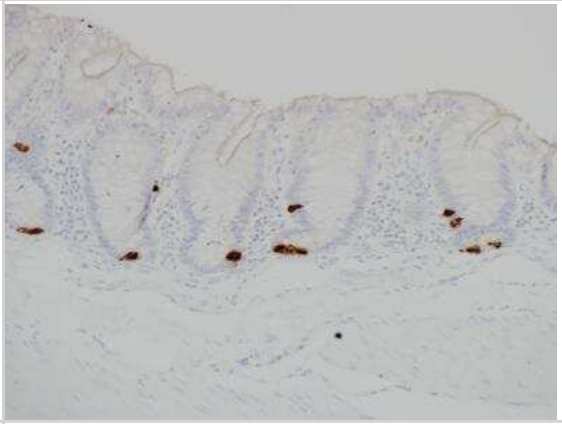
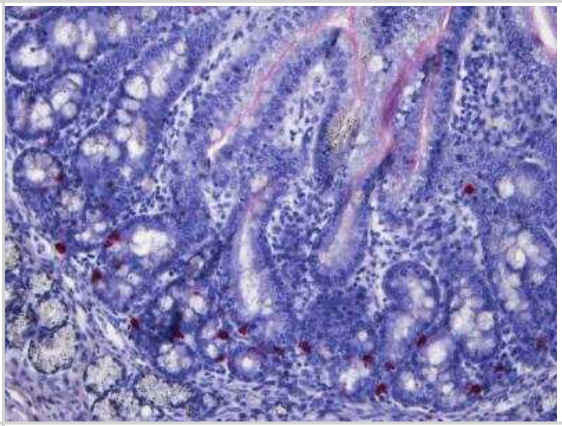
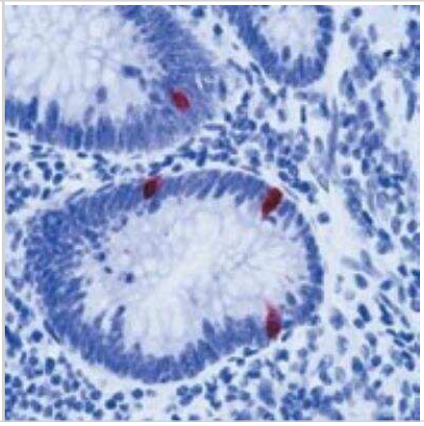
Serotonin Antibody (5HT-H209) - Unpurified

Product Information	
Unit Size	500 uL
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	5HT-H209
Preservative	0.9% Sodium Azide
Isotype	IgG1 Kappa
Purity	Tissue culture supernatant
Buffer	Cell culture supernatant dialysed against 0.05 mol/L Tris/HCl (pH 7.2)

Product Description	
Host	Mouse
Species	Human, Mouse, Porcine, Chicken, Rhesus Macaque
Reactivity Notes	Chicken reactivity reported in scientific literature (PMID: 27183534). Mouse reactivity reported in scientific literature (PMID: 27447971). Porcine, Rhesus macaque reactivity reported from verified customer reviews.
Specificity/Sensitivity	Reacts with serotonin in a broad range of normal, hyperplastic and neoplastic tissues. Serotonin is also called 5-hydroxytryptamine. The antibody is of particular importance in identifying primary and metastatic carcinoid tumors expressing serotonin. NB120-16007 may be a useful tool for characterization of carcinoids. In a study of 48 cases of adenomas and carcinoid tumours of the middle ear, the labelled tumour cells in 12 cases (25%).
Immunogen	5-Hydroxytryptamine hydrochloride (3-(2-aminoethyl)-5-hydroxyindole;serotonin).

Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:50-1:100, Immunohistochemistry-Frozen 1:50-1:100
Application Notes	Proteinase K antigen retrieval is recommended for FFPE tissues.

Images

Immunohistochemistry: Serotonin Antibody (5HT-H209) - Unpurified [NB120-16007] - Expression of Serotonin, TPH1 and 5-HT in 3 independent tumors from the MMTV-Neu transgenic strain. Independent tumor sections stained with an antibody that specifically binds to 5-HT. Primary antibodies to SERT (red), TPH1 (red) and 5-HT (green) were used in combination with fluor-labeled secondary antibodies as described in Materials and Methods. The scale bar represents 50 micrometers (um). Image collected and cropped by CiteAb from the following publication (https://www.oncotarget.com/fulltext/10614) licensed under a CC-BY license.	
Immunohistochemistry-Paraffin: Serotonin Antibody (5HT-H209) [NB120-16007] - FFPE rhesus macaque proximal colon. Image from verified customer review.	
Immunohistochemistry-Paraffin: Serotonin Antibody (5HT-H209) [NB120-16007] - Swine duodenum tissue stained with Serotonin antibody. Image from verified customer review.	
Immunohistochemistry-Paraffin: Serotonin Antibody (5HT-H209) [NB120-16007] - Formalin-fixed, paraffin-embedded human appendix stained with Serotonin (NB120-16007) using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of serotonin-secreting cells.	

Publications

Omari S, Roded A, Eisenberg M et al. Mast cell secretory granule fusion with amphisomes coordinates their homotypic fusion and release of exosomes. Cell reports 2024-07-09 [PMID: 38985670]

Renga G, D'Onofrio F, Pariano M et al. Bridging of host-microbiota tryptophan partitioning by the serotonin pathway in fungal pneumonia Nature communications 2023-09-16 [PMID: 37717018]

Rui Deng, Suyun Yu, Xingqiu Ruan, Huan Liu, Gangfan Zong, Peng Cheng, Ruizhi Tao, Wenxing Chen, Aiyun Wang, Yang Zhao, Zhonghong Wei, Yin Lu Capsaicin orchestrates metastasis in gastric cancer via modulating expression of TRPV1 channels and driving gut microbiota disorder Cell Communication and Signaling : CCS 2023-12-21 [PMID: 38129926]

Bacon RL, Taylor L, Gray SB, Hodo CL Analysis of cell populations in the normal rhesus macaque (Macaca mulatta) lower intestinal tract and diagnostic thresholds for chronic enterocolitis Veterinary pathology 2023-10-11 [PMID: 37818978] (IHC-P)

McKimpson WM, Kuo T, Kitamoto T et al. FOXO1 Is Present in Stomach Epithelium and Determines Gastric Cell Distribution Gastro Hep Advances 2022-09-19 [PMID: 36117550] (Immunohistochemistry)

McKimpson WM, Spiegel S, Mukhanova M et al. Calorie Restriction activates a gastric Notch-FOXO1 pathway to expand Ghrelin cells bioRxiv : the preprint server for biology 2023-03-07 [PMID: 36945500]

Rafeeqi TA, Diyaolu M, Thomas AL et al. Generation of Porcine Ileum Through Spring-Mediated Mechanical Distraction The Journal of surgical research 2022-08-26 [PMID: 36037614]

Wang H, Zhao X, Cui X Et al. A Pilot Study of Clinical Evaluation and Formation Mechanism of Irritable Bowel Syndrome-like Symptoms in Inflammatory Bowel Disease Patients in Remission Journal of neurogastroenterology and motility 2021-10-30 [PMID: 34642282] (IF/IHC, Human)

Dioguardi Burgio M, Cros J, Panvini N et al. Serotonin immunoreactive pancreatic neuroendocrine neoplasm associated with main pancreatic duct dilation: a recognizable entity with excellent long-term outcome European radiology 2021-05-11 [PMID: 33977308]

Andersen DB, Grunddal KV, Pedersen J, et al. Using a Reporter Mouse to Map Known and Novel Sites of GLP-1 Receptor Expression in Peripheral Tissues of Male Mice Endocrinology 2021-03-01 [PMID: 33508122] (IHC-Fr, Mouse)

Bhowmick S, Abdul-Muneer PM PTEN Blocking Stimulates Corticospinal and Raphespinal Axonal Regeneration and Promotes Functional Recovery After Spinal Cord Injury Journal of neuropathology and experimental neurology 2020-12-26 [PMID: 33367790]

Wang Y, Sims CE, Allbritton NL Enterochromaffin Cell-Enriched Monolayer Platform for Assaying Serotonin Release from Human Primary Intestinal Cells Anal. Chem. 2020-09-01 [PMID: 32819098]

More publications at http://www.novusbio.com/NB120-16007

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