

Product Datasheet

Tryptase alpha/beta 1 Antibody (AA1) NBP2-26444

Unit Size: 0.25 ml

Store at 4C. Do not freeze.

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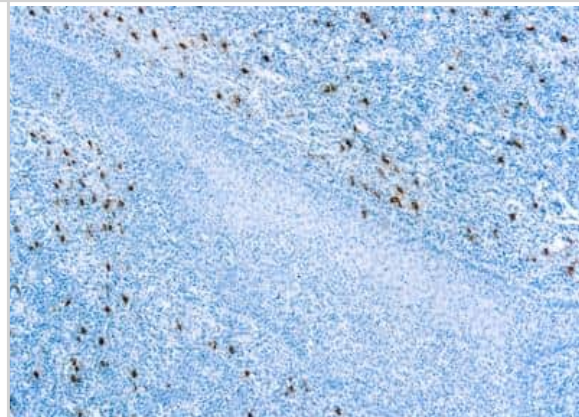
NBP2-26444

Tryptase alpha/beta 1 Antibody (AA1)

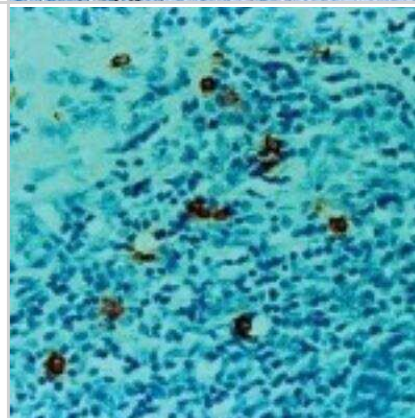
Product Information	
Unit Size	0.25 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	AA1
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS (pH 7.4), 0.2% BSA, Tween-20
Product Description	
Description	Novus Biologicals Mouse Tryptase alpha/beta 1 Antibody (AA1) (NBP2-26444) is a monoclonal antibody validated for use in Multiplex Immunofluorescence, IHC and WB. Anti-Tryptase alpha/beta 1 Antibody: Cited in 15 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7177
Gene Symbol	TPSAB1
Species	Human, Mouse, Rat
Reactivity Notes	Rat and mouse reactivity reported in scientific literature. Please see Publications tab for full list. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	Due to sequence identity this antibody will likely cross react with tryptase beta 2.
Immunogen	BALB/C mice were injected with a purified human lung tryptase.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen, Multiplex Immunofluorescence
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:300-1:600, Immunohistochemistry-Paraffin 1:300-1:600, Immunohistochemistry-Frozen 1:10-1:500, Multiplex Immunofluorescence
Application Notes	IHC-P: recommended pretreatment of citrate buffer, pH 6.0. Recommended incubation time of 30 min at RT.

Images

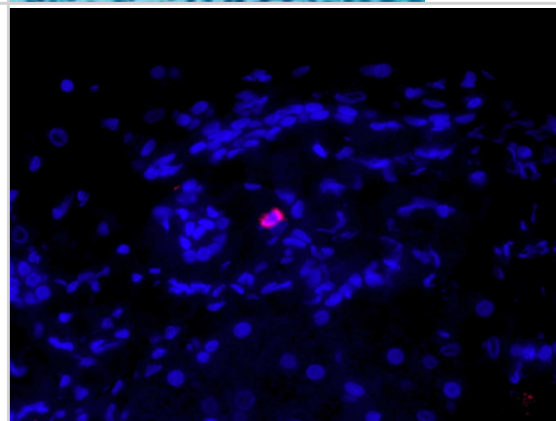
Immunohistochemistry-Paraffin: Tryptase alpha/TPS1 Antibody (AA1) [NBP2-26444] - Human tonsil stained with Mast Cell Tryptase antibody.



Immunohistochemistry-Paraffin: Tryptase alpha/TPS1 Antibody (AA1) [NBP2-26444] - Analysis of Mast Cell Tryptase formalin-fixed paraffin embedded human tonsil using NBP2-26444.



Immunohistochemistry-Paraffin: Mouse Monoclonal Tryptase alpha/beta 1 Antibody (AA1) [IMGENEX: IMG-80250] [NBP2-26444] - Analysis of Tryptase alpha/beta 1 in human liver tissue. Mast cell positive for Tryptase alpha/beta 1. pAb: x500 and DAPI counter stain. Image from a verified customer review.



Publications

Awad-Igbaria Y, Dadon S, Shamir A et al. Characterization of Early Inflammatory Events Leading to Provoked Vulvodinia Development in Rats Journal of inflammation research 2022-07-11 [PMID: 35845089] (Western Blot, Immunohistochemistry-Paraffin, Human)

Tanaka T, Yajima N, Kiyoshi T et Al. Identification of 2-(2'-fluoro-[1,1'-biphenyl]-2-yl)acetamide as a Sodium Valproate-like broad spectrum anti-epileptic drug candidate Bioorg Med Chem Lett 2019-11-04 [PMID: 30551904]

Sharma G, Frei A, Fish B et al. Biological sex differences in renin angiotensin system enzymes ACE and ACE2 regulate normal tissue response to radiation injury Frontiers in Physiology 2023-05-19 [PMID: 37275232] (Immunohistochemistry-Paraffin, Rat)

Details:

Dilution: 1:150

Thomas K, Rao R, Rai S et al. Study of significance of bone marrow microvessel density in myeloproliferative neoplasms in correlation with CD34 blasts, mast cell count and fibrosis F1000Research 2023-05-16 (Immunohistochemistry, Human)

Maiese A, Scopetti M, Santurro A et al. Corpse dismemberment: A case series. Solving the puzzle through an integrated multidisciplinary approach J Forensic Leg Med 2020-10-05 [PMID: 33012308]

Moriyama H, Endo J, Kataoka M et al. Omega-3 fatty acid epoxides produced by PAF-AH2 in mast cells regulate pulmonary vascular remodeling Nature communications 2022-05-31 [PMID: 35641514] (IHC-P, Mouse)

Cordner ZA, Li Q, Liu L et al. Vagal gut-brain signaling mediates amygdaloid plasticity, affect and pain in a functional dyspepsia model JCI insight 2021-02-16 [PMID: 33591956] (IF/IHC)

Gao F, Fish BL, Szabo A et al. Enhanced survival from radiation pneumonitis by combined irradiation to the skin. Int. J. Radiat. Biol. 2014-05-14 [PMID: 24827855] (IHC-P, Rat)

Farkas D, Kraskauskas D, Drake JI et al. CXCR4 inhibition ameliorates severe obliterative pulmonary hypertension and accumulation of C-kit(+) cells in rats. PLoS ONE. 2014-03-03 [PMID: 24587052] (IHC-P, Rat)

Le BV, Khorsi-Cauet H, Bach V, Gay-Queheillard J. Mast cells mediate Pseudomonas aeruginosa lipopolysaccharide-induced lung inflammation in rat. Eur J Clin Microbiol Infect Dis. 2012-08-01 [PMID: 22282020]

Details:

Products cited: Mast Cell Tryptase (IMG-80250).

Akiyoshi H, Terada T. Mast cell, myofibroblast and nerve terminal complexes in carbon tetrachloride-induced cirrhotic rat livers. J Hepatol. 1998-07-01 [PMID: 9696499] (IHC-P, Rat)

Details:

IHC (paraffin): rat liver (data described in Results section, page 114).

Walls AF, Jones DB, Williams JH et al. Immunohistochemical identification of mast cells in formaldehyde-fixed tissue using monoclonal antibodies specific for tryptase. J Pathol. 1990-10-01 [PMID: 2250189] (IHC-P, WB, Human)

Details:

IHC (paraffin) in human: Fig 1 (skin), Fig 2 (lung), Fig 4 (A:bronchiole, B:lung alveoli, C:T-lymphocyte area of tonsil, D:septum of tonsil, E:colonic mucosa and F:skin), Table 1 (summary of staining in multiple tissues). Peripheral blood basophils were u

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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 NBP2-26444

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

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