

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

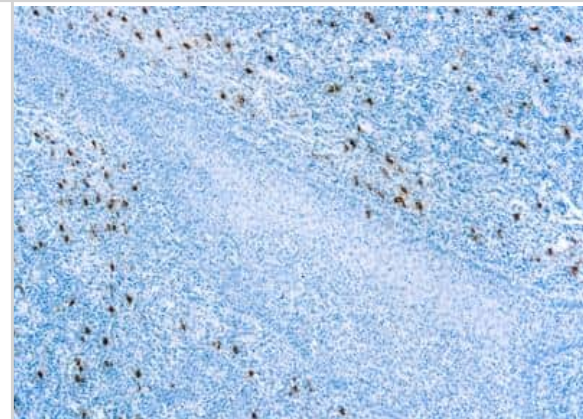
Tryptase alpha/beta 1 Antibody (AA1)

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	
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, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
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
Application Notes	IHC-P: recommended pretreatment of citrate buffer, pH 6.0. Recommended incubation time of 30 min at RT.

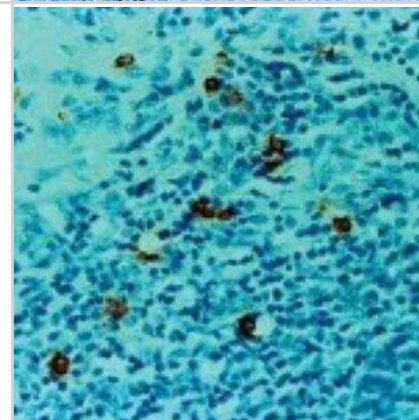


Images

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.



Publications

Awad-Igbaria Y, Dadon S, Shamir A et al. Characterization of Early Inflammatory Events Leading to Provoked Vulvodynia Development in Rats Journal of inflammation research 2022-07-11 [PMID: 35845089]

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

Haase MG, Klawitter A, Baretton GB. IkappaBgamma is expressed in mast cells. Virchows Arch. 2004-11-01 [PMID: 15378359] (IHC-P, Rat)

Details:

IHC (paraffin): Fig 1 (rat lung tissue sections), Fig 2 (rat peritoneal macrophages).

More publications at <http://www.novusbio.com/NBP2-26444>



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Products Related to NBP2-26444

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-61189-50ug	Recombinant Human Trypsin alpha/beta 1 His Protein

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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