Product Datasheet

TLR7 Antibody - BSA Free
NB100-56682SS

Unit Size: 0.025 ml

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

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Publications: 7

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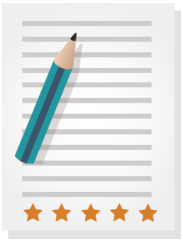
Updated 2/21/2025 v.20.1



NB100-56682SS

TLR7 Antibody - BSA Free

Product Information

Unit Size	0.025 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS

Product Description

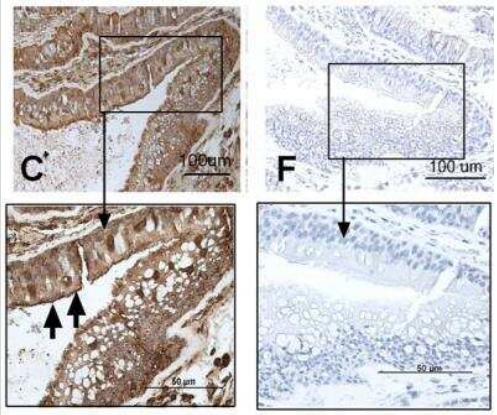
Host	Rabbit
Gene ID	51284
Gene Symbol	TLR7
Species	Human, Mouse
Immunogen	This antibody was developed against KLH-conjugated synthetic peptide corresponding to amino acids 465-483 of human TLR7.

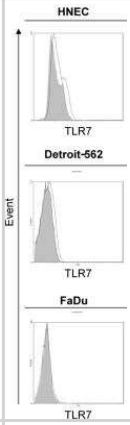
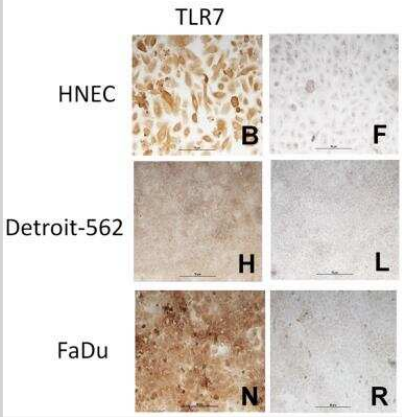
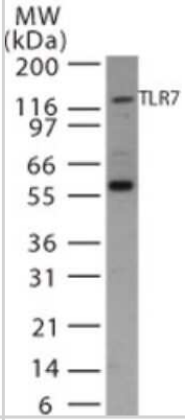
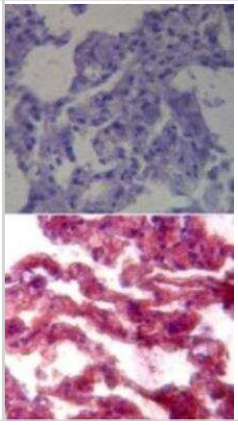
Product Application Details

Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Flow Cytometry, Immunohistochemistry reported in scientific literature (PMID 28028829), Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 24886842), Immunohistochemistry-Paraffin 1:100

Images

Immunohistochemistry: TLR7 Antibody [NB100-56682] - Sections of nasal biopsies were incubated with antibodies against TLR9 (C) visualized by 3, 3-diaminobenzidine (brown). In control slides (F), N-series universal negative control reagent was used. All sections were accompanied with a square magnification. All slides were counterstained with haematoxylin (blue). The figure shows one representative biopsy out of four (3 male, 1 female). The arrows indicate positive stained cells. Image collected and cropped by CiteAb from the following publication (//doi.org/10.1371/journal.pone.0098239) licensed under a CC-BY license.



Flow Cytometry: TLR7 Antibody [NB100-56682] - HNEC, Detroit-562 and FaDu were stained intracellularly with Ab against TLR7 (open histograms) or appropriate isotype control (shaded histograms) and analyzed by flow cytometry. Representative pictures from one out of three independent experiments are shown. Image collected and cropped by CiteAb from the following publication (//doi.org/10.1371/journal.pone.0098239) licensed under a CC-BY license.	
Immunohistochemistry: TLR7 Antibody [NB100-56682] - Epithelial cells from primary HNEC (B), Detroit-562 (H) and FaDu (N) were incubated with antibody against TLR7 and visualized by 3, 3-diaminobenzidine (brown). In controls, N-series universal negative control reagent was used (F, L, R). All cells were counterstained with haematoxylin (blue). The figure shows one representative staining out of three independent experiments. The markers in the figure are 50 um. The arrows indicate positive stained cells. Image collected and cropped by CiteAb from the following publication (//doi.org/10.1371/journal.pone.0098239) licensed under a CC-BY license.	
Western Blot: TLR7 Antibody [NB100-56682] - Analysis of TLR7 in Ramos cell lysate using NB100-56682 at 1:500.	
Immunohistochemistry-Paraffin: TLR7 Antibody [NB100-56682] - Analysis of TLR7 in formalin-fixed, paraffin-embedded human lung tissue using an isotype control (top) and this antibody (bottom) at 1:100.	

Publications

Hiltunen N, Kemi N, Väyrynen JP et Al. Toll-like receptors 1-9 in small bowel neuroendocrine tumors-Clinical significance and prognosis PLoS One 2024-05-06 [PMID: 38709790]

Do?an G, Sand?kç? M, Karagenç L. et Al. Stage-specific expression of Toll-like receptors in the seminiferous epithelium of mouse testis Histochem Cell Biol 2024-07-31 [PMID: 39085445]

Helminen O, Huhta H, Lehenkari Petri P. Nucleic acid-sensing Toll-like receptors 3, 7 and 8 in esophageal epithelium, Barrett's esophagus, dysplasia and adenocarcinoma Oncoimmunology 2016-07-29 [PMID: 27467941]

Huhta H, Helminen O, Kauppila JH et al. The Expression of Toll-like Receptors in Normal Human and Murine Gastrointestinal Organs and the Effect of Microbiome and Cancer J. Histochem. Cytochem. 2016-08-01 [PMID: 27370795] (IHC-P, Human)

Helminen O, Huhta H, Kauppila JH et al. Localization of nucleic acid-sensing toll-like receptors in human and mouse pancreas. APMIS. 2016-12-28 [PMID: 28028829] (IF/IHC, Human)

Tengroth L, Millrud C, Kvarnhammar A, Kumlien Georen S, Latif L, Cardell L Functional effects of Toll-like receptor (TLR)3, 7, 9, RIG-I and MDA-5 stimulation in nasal epithelial cells. PLoS One 2013-11-30 [PMID: 24886842] (ICC/IF, IHC-P, Human)

Details:
Citation using the HRP format of this antibody.

Wong CK, Cheung PF, Ip WK et al. Intracellular signaling mechanisms regulating toll-like receptor-mediated activation of eosinophils. Am J Respir Cell Mol Biol. 2007-07-01 [PMID: 17332440] (WB, Human)

Details:
Human blood eosinophils and neutrophils from buffy coat: For WB, Fig. 1A: TLR1 (IMG-5012), TLR5 (IMG-664), TLR6 (IMG-304A), TLR7 (IMG-540), TLR8 (IMG-321A), TLR9 (IMG-305A). For Flow (Intracellular) and Flow (Surface), Fig. 1B: TLR1 (IMG-5021), TLR2 (IMG-416C), TLR3 (IMG-315C), TLR4 (IMG-417C), TLR5 (IMG-663C), TLR6 (IMG-304C), TLR7 (IMG-665A), TLR8 (IMG-321C), TLR9 (IMG-305C).

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