

Product Datasheet

TLR7 Antibody - BSA Free NB100-56682

Unit Size: 0.1 ml

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

www.novusbio.com



technical@novusbio.com

Publications: 8

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-56682

Updated 9/9/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-56682



NB100-56682

TLR7 Antibody - BSA Free

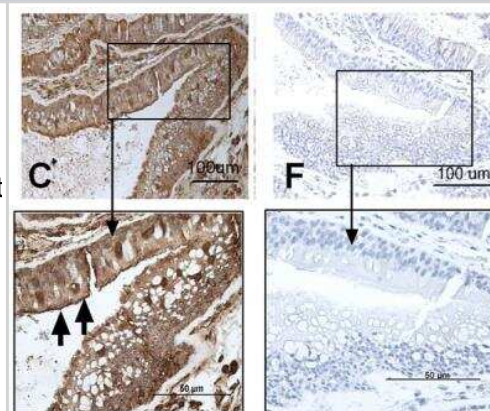
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit TLR7 Antibody - BSA Free (NB100-56682) is a polyclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-TLR7 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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.

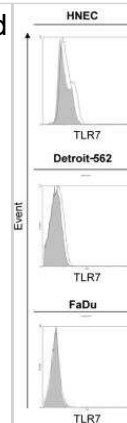
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:1000, Flow Cytometry, Immunohistochemistry reported in scientific literature (PMID 28028829),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

Images

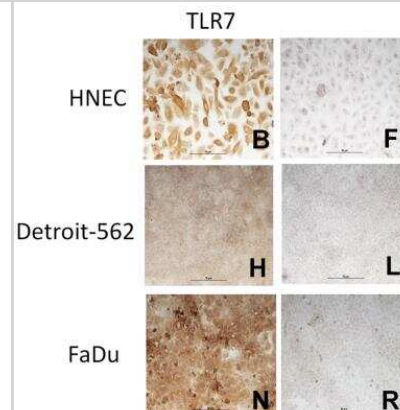
Immunohistochemistry: TLR7 Antibody [NB100-56682] - Sections of nasal biopsies were incubated with antibodies against TLR9 (C) visualized by 3, 3-diaminobenzidine (brown). In control slides (F), N-series universal negative control reagent was used. All sections were accompanied with a square magnification. 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](https://doi.org/10.1371/journal.pone.0098239)) licensed under a CC-BY license.



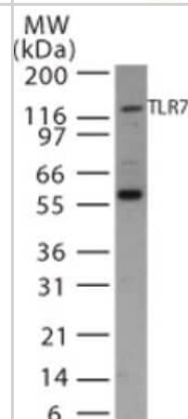
Flow Cytometry: TLR7 Antibody [NB100-56682] - HNEC, Detroit-562 and FaDu were stained intracellularly with Ab against TLR7 (open histograms) or appropriate isotype control (shaded histograms) and analyzed by flow cytometry. Representative pictures from one out of three independent experiments are shown. Image collected and cropped by CiteAb from the following publication ([//doi.org/10.1371/journal.pone.0098239](https://doi.org/10.1371/journal.pone.0098239)) licensed under a CC-BY license.



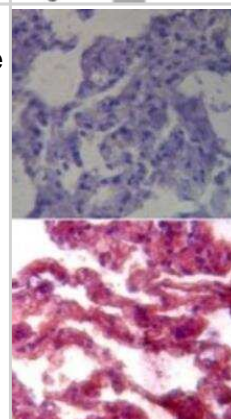
Immunohistochemistry: TLR7 Antibody [NB100-56682] - Epithelial cells from primary HNEC (B), Detroit-562 (H) and FaDu (N) were incubated with antibody against TLR7 and visualized by 3, 3-diaminobenzidine (brown). In controls, N-series universal negative control reagent was used (F, L, R). All cells were counterstained with haematoxylin (blue). The figure shows one representative staining out of three independent experiments. The markers in the figure are 50 μ m. The arrows indicate positive stained cells. Image collected and cropped by CiteAb from the following publication ([//doi.org/10.1371/journal.pone.0098239](https://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

Gowda M, Venkatraman A, Mechler-Hickson A et al. Toll Like Receptors in the Larynx: Implications for Laryngeal Immunology. *The Laryngoscope* 2025-06-23 [PMID: 40546085]

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]

Doğan G, Sandıkçı 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).



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 NB100-56682

NBP2-26228-1mg	Imiquimod, TLR7 ligand
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-56682

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

