

Product Datasheet

TLR7 Antibody Pack NBP2-31097

Unit Size: 5 Vials

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

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Updated 10/23/2024 v.20.1

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NBP2-31097

TLR7 Antibody Pack

Product Information	
Unit Size	5 Vials
Concentration	Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

Product Description	
Gene ID	51284
Gene Symbol	TLR7
Species	Human, Mouse
Reactivity Notes	See individual datasheets of components for their validated species
Immunogen	See individual datasheets.
Kit Components	NB100-56682SS, NBP2-24906SS, NB100-56588SS, NBP2-24767SS, NL004: Donkey anti-Rabbit IgG Secondary Antibody [NL557]

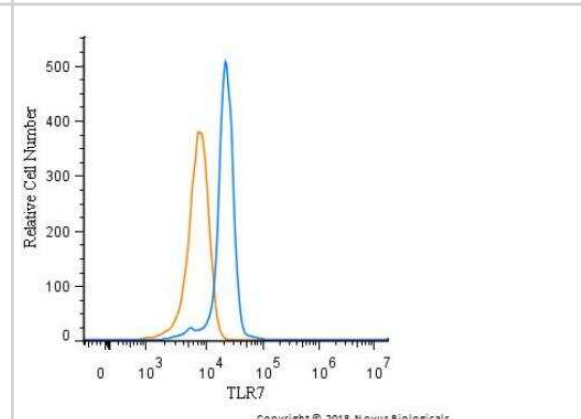
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	See individual datasheets of components for their validated applications

Images

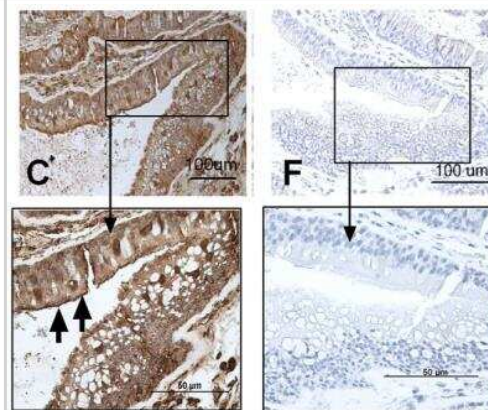
Immunohistochemistry: TLR7 Antibody Pack [NBP2-31097] - The expression of TLR-7 in the hippocampal brain region. The immunofluorescence of TLR7 recognized by Alexa 488, green. GFAP recognized by Alexa 594, red. NEUN recognized by Alexa 633, (blue) and merged image in the hippocampal region. NeuN and GFAP were applied to show the distribution of TLR7 within neuronal and supportive tissue populations. Scale bar 80 um. Image collected and cropped by CiteAb from the following publication ([//doi.org/10.1371/journal.pone.0222818](https://doi.org/10.1371/journal.pone.0222818)) licensed under a CC-BY license. TLR7 Antibody [NBP2-24906]



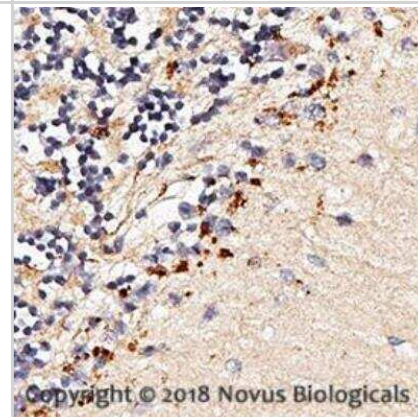
Flow Cytometry: TLR7 Antibody Pack [NBP2-31097] - An intracellular stain was performed on THP-1 cells with NBP2-24906 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 5.0 ug/mL for 30 minutes at room temperature, followed by Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550. TLR7 Antibody [NBP2-24906]



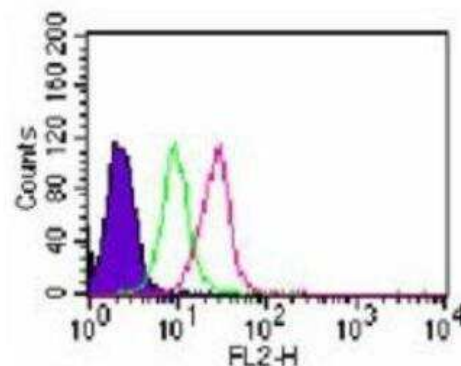
Immunohistochemistry: TLR7 Antibody Pack [NBP2-31097] - Sections of nasal biopsies were incubated with antibodies against TLR9 (C) visualized by 3, 3-diaminobenzidine (brown). In control slides (F), N-series universal negative control reagent was used. All sections were accompanied with a square magnification. 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. TLR7 Antibody [NB100-56682]



Immunohistochemistry: TLR7 Antibody Pack [NBP2-31097] - Human brain using 1:50 dilution of TLR7 antibody on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images (20X) was performed using Aperio AT2 (Leica Biosystems). Punctate staining of neurons was observed. Staining was performed by Histowiz. TLR7 Antibody [NBP2-24767]



Flow Cytometry: TLR7 Antibody Pack [NBP2-31097] - Intracellular flow analysis of TLR7 in 10^6 ThP1 cells using 2 ug of NB100-56588. Shaded histogram represents cells without antibody. Green: isotype control. Red: TLR7 antibody. Intracellular flow kit was used for this test, and an anti-rabbit IgG PE conjugated secondary. TLR7 Antibody [NB100-56588]





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Products Related to NBP2-31097

NB100-56682PEP	TLR7 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]
NBP2-24906	TLR7 Antibody - BSA Free
M6000B-1	IL-6 [HRP]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Antibody Packs are guaranteed for 1 year from date of receipt.

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