

Datasheet for 600-401-H26**TLR3 Antibody****Overview**

Description:	Anti-TLR3 (RABBIT) Antibody - 600-401-H26
Item No.:	600-401-H26
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	TLR3 antibody detects the human TLR3. Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in <i>Drosophila</i> . These proteins recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. The TLRs act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors so the organism can respond to potential infection. TLR3 is known to recognize viral double-stranded (ds) RNA, a molecular pattern associated with viral infection. Recently it has been shown to recognize viruses such as Influenza A and West Nile Virus and can mediate entry of at least West Nile Virus. Anti-TLR3 antibodies are ideal for investigators involved in kinase and phosphatase, transcription factors and infectious disease research.
Synonyms:	Toll-like receptor 3, CD283
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TLR3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	TLR3 Antibody was produced from whole rabbit serum prepared by repeated immunizations with a peptide corresponding to amino acids near the c-terminus of human TLR3.
Purity/Specificity:	Anti-TLR-3 Antibody was affinity purified. A BLAST analysis was used to suggest cross-reactivity with TLR3 with Human and Mouse based on 100% homology with the immunizing sequence. Cross-reactivity with TLR3 from other sources has not been determined. This polyclonal antibody will not react with TLR1.
Relevant Links:	• NCBI - NP_003256.1 • UniProtKB - O15455 • GeneID - 7098

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-TLR3 Antibody is tested for use in E, WB, IF, IHC and ICC. Expect a band approximately ~103.8 kDa on specific lysates. Western Blot in human and mouse samples; Immunohistochemistry in human and mouse samples; Immunocytochemistry in mouse samples and Immunofluorescence in human and mouse samples. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	5-20µg/mL
IHC:	1-2µg/mL
WB:	1-2 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

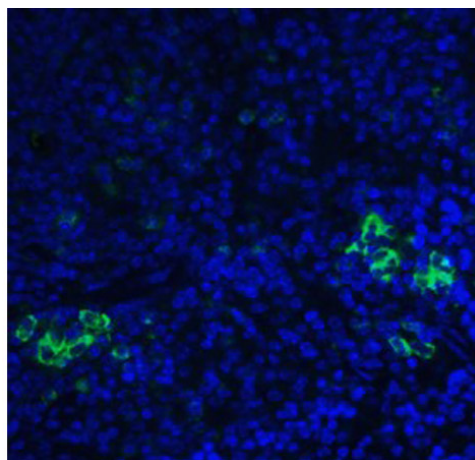
Shipping & Handling

Shipping Condition:	Wet Ice
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Storage Condition: Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

Expiration: Expiration date is one (1) year from date of receipt.

Images



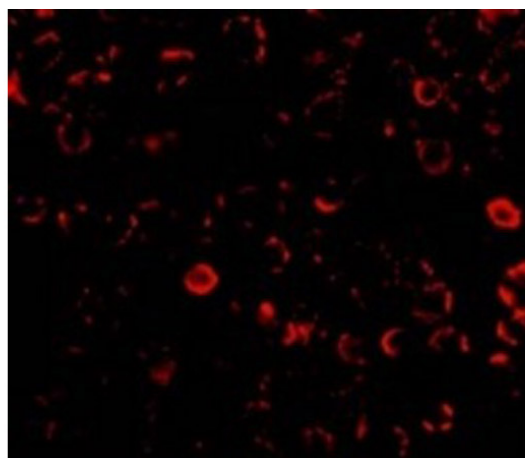
Immunofluorescence Microscopy

Immunofluorescence of TLR3.

Tissue: mouse spleen tissue.

Primary Antibody: Anti-TLR3 antibody at 20 µg/ml.

Staining TLR3 Antibody (green), DAPI (blue).

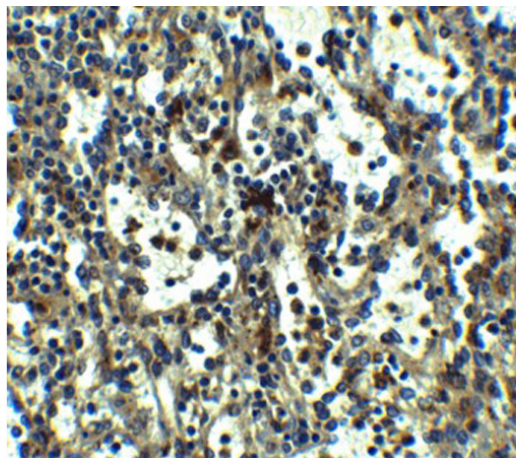


Immunofluorescence Microscopy

Immunofluorescence of TLR3.

Cell: EL4 cells.

Primary Antibody: Anti-TLR3 antibody at 10 µg/mL.

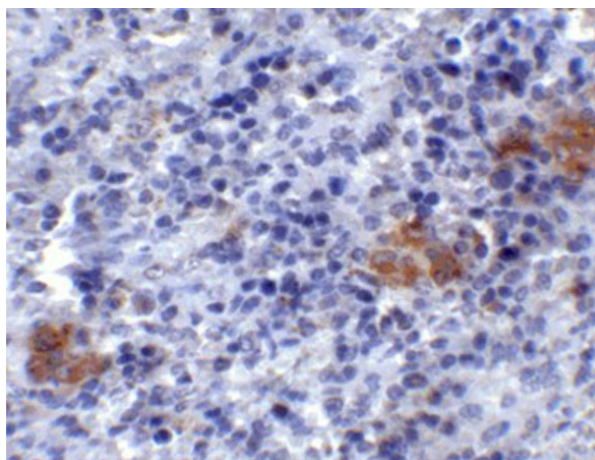


Immunohistochemistry

Immunohistochemistry of TLR3.

Tissue: human spleen tissue.

Primary Antibody: Anti-TLR3 antibody at 5 µg/ml.

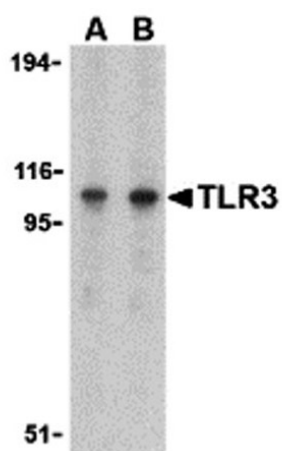


Immunohistochemistry

Immunohistochemistry of TLR3.

Tissue: mouse spleen tissue.

Primary Antibody: Anti-TLR3 antibody at 2 µg/ml.

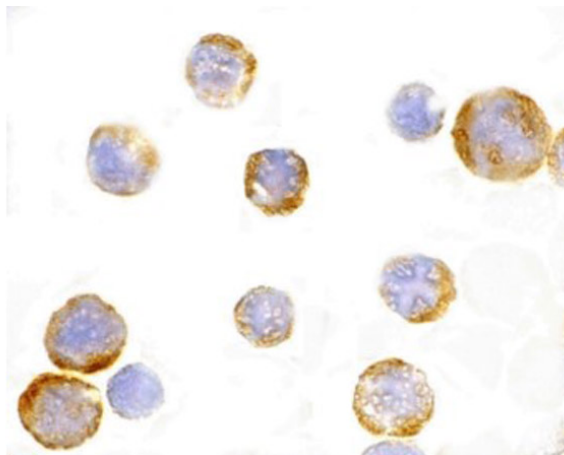


Western Blot

Western blot analysis of TLR3.

Load: Daudi cell lysate.

Primary Antibody: Anti-TLR3 antibody at (A) 1 µg/mL and (B) 2 µg/mL.

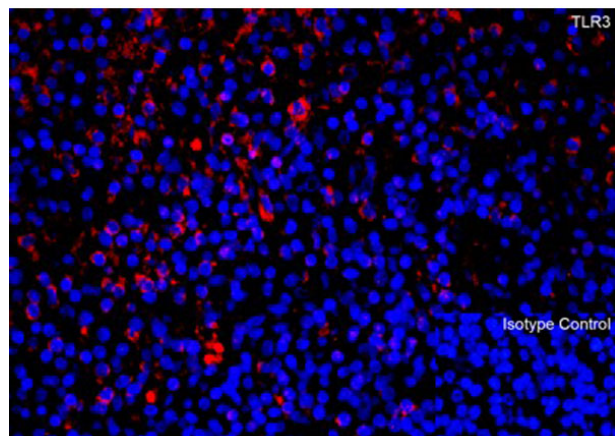


Immunocytochemistry

Immunocytochemistry of TLR3.

Cell: EL4 cells.

Primary Antibody: Anti-TLR3 antibody at 1 µg/mL.



Immunofluorescence Microscopy

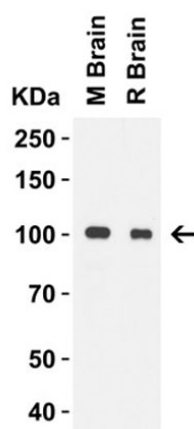
Immunofluorescence of TLR3.

Tissue: Human Spleen.

Fixation: 4% paraformaldehyde-fixed.

Primary Antibody: TLR3 at 10 µg/mL.

Secondary: goat anti-rabbit IgG antibody at 1:500 dilution (red) and DAPI staining (blue).



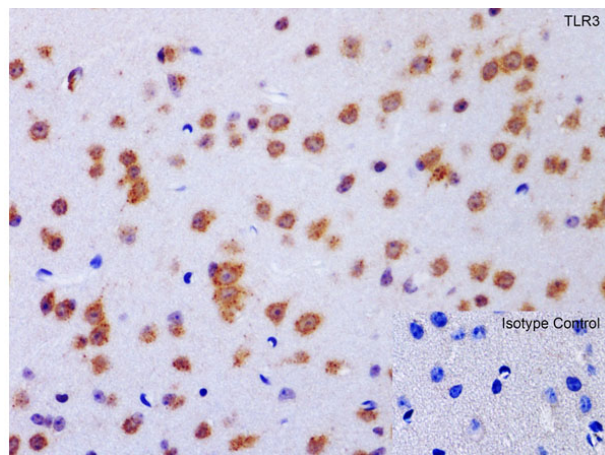
Western Blot

Western Blot of TLR3.

Load: 15 µg of mouse and rat brain lysate.

Primary Antibody: TLR3 at 1 µg/mL for 1 h incubation at RT in 5% NFDN/TBST.

Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.

**Immunohistochemistry**

Immunohistochemistry of TLR3.

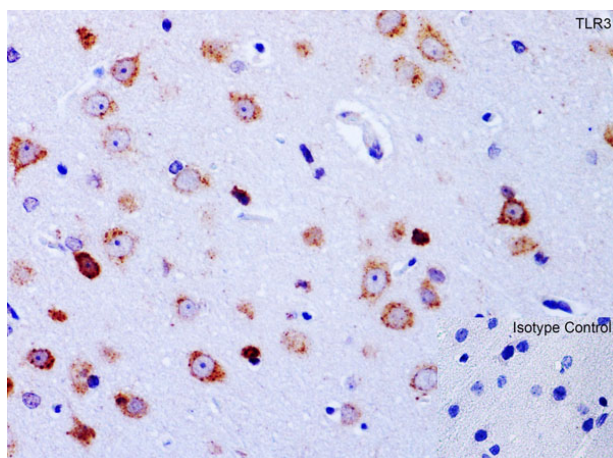
Tissue: mouse brain tissue.

Fixation: paraffin-embedded, fixed with formaldehyde and blocked with 10% serum for 1 h at RT.

Antigen retrieval: heat mediation with a citrate buffer (pH6).

Primary Antibody: anti-TLR3 antibody at 1 µg/ml overnight at 4°C.

Secondary: goat anti-rabbit IgG H&L (HRP) at 1:250 was used as secondary. Counter stained with Hematoxylin.

**Immunohistochemistry**

Immunohistochemistry of TLR3.

Tissue: Rat Brain.

Fixation: paraffin-embedded, fixed with formaldehyde and blocked with 10% serum for 1 h at RT.

Antigen retrieval: heat mediation with a citrate buffer (pH6).

Primary Antibody: anti-TLR3 antibody at 1 µg/ml overnight at 4°C.

Secondary: goat anti-rabbit IgG H&L (HRP) at 1:250. Counter stained with Hematoxylin.

Disclaimer

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