

Product Datasheet

TLR3 [p Tyr759] Antibody - BSA Free NBP2-24904

Unit Size: 0.02 mg

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

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NBP2-24904

TLR3 [p Tyr759] Antibody - BSA Free

Product Information	
Unit Size	0.02 mg
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	Immunogen affinity purified
Buffer	PBS

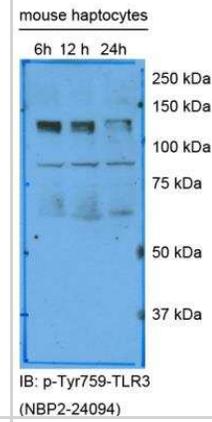
Product Description	
Description	Novus Biologicals Rabbit TLR3 [p Tyr759] Antibody - BSA Free (NBP2-24904) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-TLR3 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7098
Gene Symbol	TLR3
Species	Human, Mouse, Rat
Reactivity Notes	Mouse, Rat reactivity reported in scientific literature (PMID: 24526685).
Immunogen	A portion of amino acids 750-800, containing a phosphorylated tyrosine residue at position 759, of human TLR3 was used as the immunogen.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 0.1 - 1.0 ug/mL, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10 - 1:2000, Immunohistochemistry-Frozen 1:10 - 1:2000

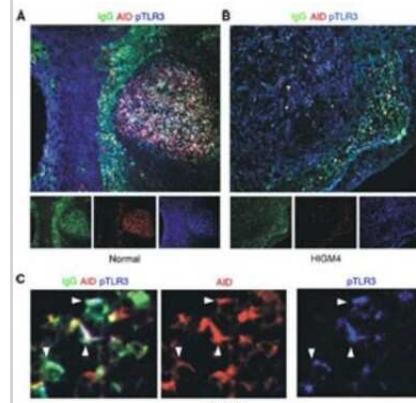


Images

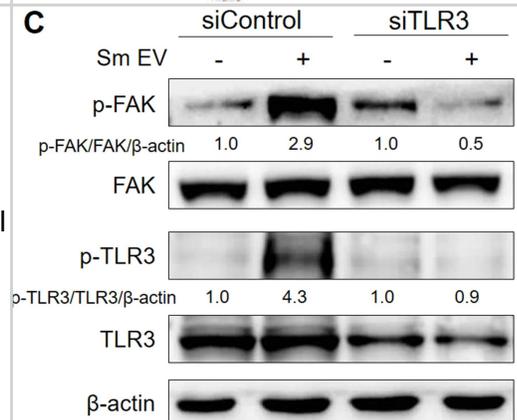
Western Blot: TLR3 [p Tyr759] Antibody [NBP2-24904] - Image from verified customer review.



Immunocytochemistry/Immunofluorescence: TLR3 [p Tyr759] Antibody [NBP2-24904] - Analysis of IgG, AID and TLR3 (A) and a hyper-IgM (HIGM) syndrome patient (B and C). A and B: Paraformaldehyde-fixed, frozen tonsillar mucosa tissue sections. C. Paraformaldehyde-fixed, mucosal B cells from the colon lamina propria of the HIGM patient. Arrowheads indicate cells co-expressing phospho TLR3, AID, and IgG. Data courtesy of W. Xu. et. al., and the Journal of Immunology



Effect of Sm EVs on focal adhesion activation. (A) Organoids were treated with 107 particles/mL of Sm EVs for 24 h. Paxillin (red) and F-actin (green) were stained and visualized using confocal microscopy. The boxed regions represent enlarged views on the right. (B) FAK phosphorylation (Tyr 397) was evaluated by Western blotting in organoids treated with Sm EVs for 36 h. (C) Organoids were transfected with siTLR3 for 24 h, followed by treatment with Sm EVs for an additional 24 h. Protein expression and phosphorylation levels were determined by Western blot analysis. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/40296033>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Oh S, Kim D, Lee K et al. Streptococcus mutans-derived extracellular vesicles promote skin wound healing via tRNA cargo. *Journal of Nanobiotechnology* 2025-04-29 [PMID: 40296033]

Ko R, Park H, Lee N et al. Glycogen Synthase Kinase 3 β Regulates Antiviral Responses of TLR3 via TRAF2-Src Axis The *Journal of Immunology* 2019-12-01 [PMID: 31619538] (Immunocytochemistry/ Immunofluorescence)

Takanashi Masakatsu, Sudo Katsuko, Ueda Shinobu et al. Novel Types of Small RNA Exhibit Sequence- and Target-dependent Angiogenesis Suppression Without Activation of Toll-like Receptor 3 in an Age-related Macular Degeneration (AMD) Mouse Model. *Molecular Therapy. Nucleic Acids* 2015-01-01 [PMID: 26484944] (WB, Mouse)

Zhang L, Xiang W, Wang G et al. #VALUE! *J Biol Chem.* [PMID: 27226571] (WB, ICC/IF, Mouse)

Nakama T, Yoshida S, Ishikawa K et al. Inhibition of choroidal fibrovascular membrane formation by new class of RNA interference therapeutic agent targeting periostin. *Gene Ther.* 2014-12-11 [PMID: 25503692] (WB)

Hsieh MY, Chang MY, Chen YJ et al. The iNOS/Src Axis Mediates Toll-Like Receptor 3 Tyrosine 759 phosphorylation and Enhances Its Signal Transduction Leading to Interferon- β Synthesis in Macrophages. *J. Biol. Chem.* 2014-02-13 [PMID: 24526685] (WB, Rat, Mouse)

Details:

RAW264.7, mouse and rat primary peritoneal macrophages (PEMs): Figs 1-3, 7-10. Notes: (1) The specificity of the TLR3[pTyr759] pAb was validated by recognizing TLR3 that had been IPd from RAW264.7 cells, and then western blotted with the TLR3[pTyr759] pAb

Xu W, Santini PA, Matthews AJ et al. Viral double-stranded RNA triggers Ig class switching by activating upper respiratory mucosa B cells through an innate TLR3 pathway involving BAFF. *J Immunol.* 2008-07-01 [PMID: 18566393] (ICC/IF)

Details:

IHC (F):Fig 4A and B, Paraformaldehyde-fixed, frozen tonsillar mucosa human tissue sections from healthy and hyper-IgM syndrome (HIGM) donors, respectively. IF/ICC: Fig 4C, mucosal B cells from the colon lamina propria of the HIGM donor.

Cho WG, Albuquerque RJ, Kleinman ME et al. Small interfering RNA-induced TLR3 activation inhibits blood and lymphatic vessel growth. *Proc Natl Acad Sci U S A.* 2009-04-28 [PMID: 19359485] (WB, Mouse)

Kleinman ME, Kaneko H, Cho WG et al. Short-interfering RNAs induce retinal degeneration via TLR3 and IRF3. *Mol Ther.* 2012-01-01 [PMID: 21988875]

Details:

Antibodies cited: 1. TLR3 pAb (IMG-516): IHC (P), Fig 4D (mouse eye sections) 2. TLR3-PE mAb (IMG-315D): Flow (Surface) and Flow (Intracellular), Fig 4F [primary human retinal pigment epithelium cell isolates (hRPE)]. TLR3 was expressed on both the cell s



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Products Related to NBP2-24904

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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