

Datasheet for ABIN686617
anti-TLR3 antibody (AA 801-905)[4 Images](#)[4 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	TLR3
Binding Specificity:	AA 801-905
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse TLR3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Pig
Purification:	Purified by Protein A.

Target Details

Target:	TLR3
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Target Details

Alternative Name:	TLR3 (TLR3 Products)
Background:	<p>Synonyms: AI957183, Toll-like receptor 3, CD283, Tlr3</p> <p>Background: Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific to microorganisms. TLR3 is a nucleotide-sensing TLR which is activated by double-stranded RNA, a sign of viral infection. Acts via the adapter TRIF/TICAM1, leading to NF-kappa-B activation, IRF3 nuclear translocation, cytokine secretion and the inflammatory response (By similarity).</p>
Gene ID:	142980
UniProt:	Q99MB1
Pathways:	TLR Signaling , Activation of Innate immune Response , Hepatitis C , Toll-Like Receptors Cascades

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

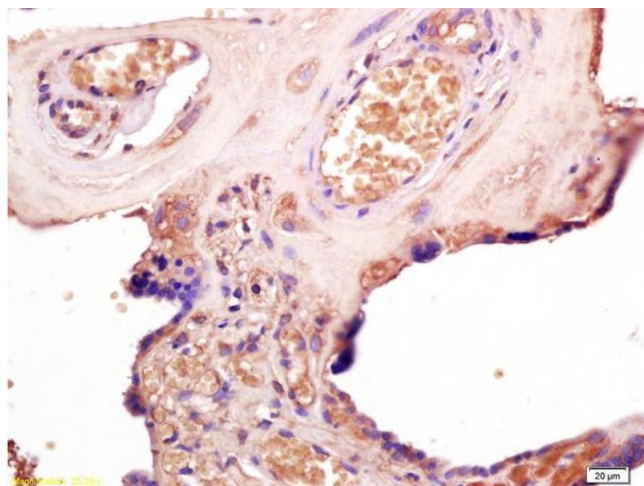
Product cited in: Zhao, Zhang, Wang, Jin, Zhou, Chen, Su: "Activation of Toll-like receptor 3 promotes pathological corneal neovascularization by enhancement of SDF-1-mediated endothelial progenitor cell recruitment." in: **Experimental eye research**, Vol. 178, pp. 177-185, (2019) ([PubMed](#)).

Zhu, Xu, Jiang, Wang, Geng, Wu, Hussain, Gao, Han, Li, Lan, Ning, Zhang, Holmdahl, Meng, Lu: "Pristane induces autophagy in macrophages, promoting a STAT1-IRF1-TLR3 pathway and arthritis." in: **Clinical immunology (Orlando, Fla.)**, Vol. 175, pp. 56-68, (2016) ([PubMed](#)).

Wang, Lei, Zhang, Zhao, Fang, Lai, Han, Xiao, Wang: "Xenobiotic Pregnane X Receptor (PXR) Regulates Innate Immunity via Activation of NLRP3 Inflammasome in Vascular Endothelial Cells." in: **The Journal of biological chemistry**, Vol. 289, Issue 43, pp. 30075-81, (2014) ([PubMed](#)).

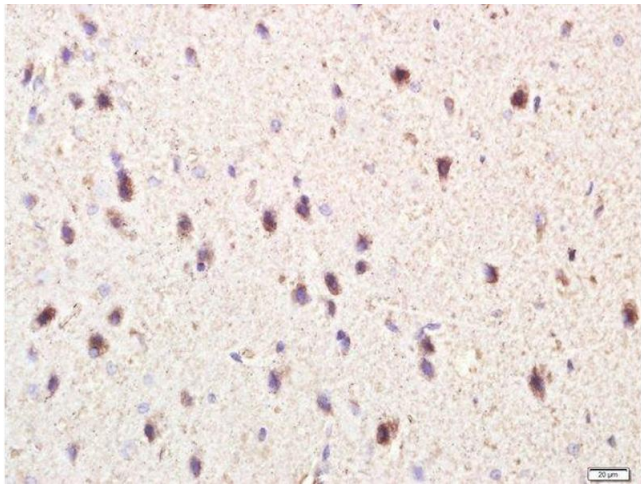
Zhu, Meng, Jiang, Xu, Wang, Han, Lu: "Overexpression of toll-like receptor 3 in spleen is associated with experimental arthritis in rats." in: **Scandinavian journal of immunology**, Vol. 76, Issue 3, pp. 263-70, (2012) ([PubMed](#)).

Images



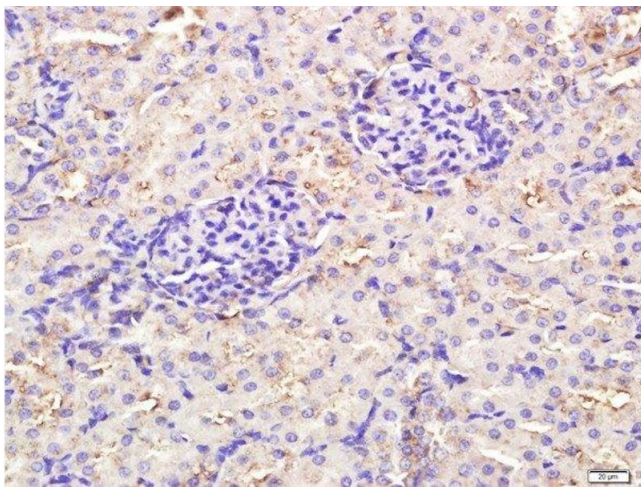
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human placenta labeled with Rabbit Anti TLR3 Polyclonal Antibody, Unconjugated (ABIN686617) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded rat brain tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-TLR3 Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded rat kidney tissue, Antigen retrieval by boiling in sodium citrate buffer(pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Rabbit Anti-TLR3 Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN686617.