

Product Datasheet

TLR2 Antibody - BSA Free NB100-56720

Unit Size: 0.1 mg

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

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NB100-56720

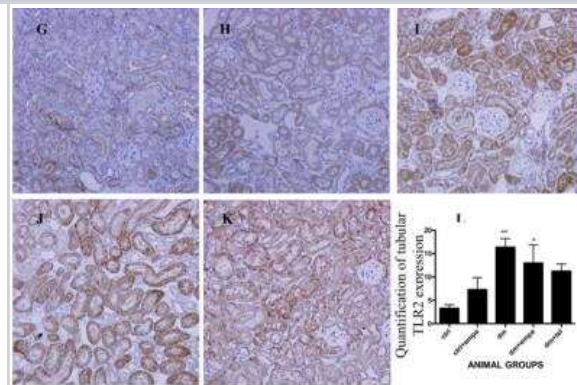
TLR2 Antibody - BSA Free

Product Information	
Unit Size	0.1 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	Protein G purified
Buffer	PBS
Target Molecular Weight	89 kDa
Product Description	
Host	Rabbit
Gene ID	7097
Gene Symbol	TLR2
Species	Human, Mouse
Immunogen	This antibody was developed against a mixture of synthetic peptides containing amino acids 180-196, 353-370, and 473-489 of human TLR2 (NP_003255).
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1-3 ug/ml, Flow Cytometry reported in scientific literature (PMID 31285077), Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 30618413), Immunoprecipitation reported in scientific literature (PMID 31383741), Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	In transfected human TLR2 cell lysate, a 90 kDa band is observed. This has also been reported to work well in bronchial epithelial cells (UBH16E) and THP-1 cells.

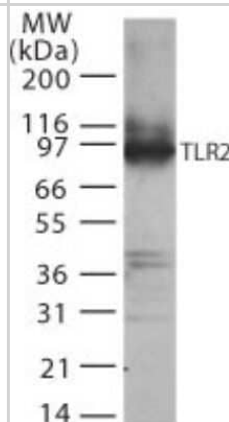


Images

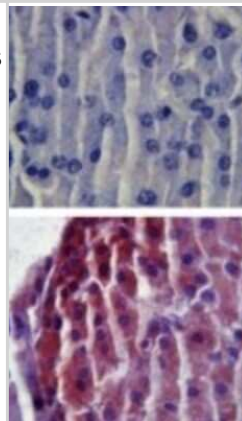
Immunohistochemistry: TLR2 Antibody [NB100-56720] - Representative photographs of immunohistochemistry for tubular TLR2 in G) ctrl, H) ctrl + empa, I) diabetic (dm), J) dm + empagliflozin, K) dm + telmisartan groups (Magnification = original X 200) and quantification of tubular TLR2 expression by Image J (L). (Data are expressed as mean +/- SEM with $*=P<0.05$ vs ctrl, $**=P<0.001$ vs ctrl and $\#=P<0.05$ vs dm). Image collected and cropped by CiteAb from the following publication ([//doi.org/10.1371/journal.pone.0108994](https://doi.org/10.1371/journal.pone.0108994)) licensed under a CC-BY license.



Western Blot: TLR2 Antibody [NB100-56720] - Analysis using the Azide Free version of NB100-56720. Detection of TLR2 in transfected cell lysate using this antibody.



Immunohistochemistry-Paraffin: TLR2 Antibody [NB100-56720] - Analysis of mouse pancreas tissue using an isotype control (top) and this antibody (bottom) at 5 ug/ml.



Publications

Doğan G, Sandıkçı M, Karageç 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]

Neuper T, Frauenlob T, Dang HH et al. ADP-heptose attenuates *Helicobacter pylori* -induced dendritic cell activation *Gut Microbes* 2024-09-17 [PMID: 39288239]

Doğan G, Karageç N, Esmen K et al. Expression of Toll-Like Receptors in the Lung Tissue of Mouse Fetuses Generated by in vitro Embryo Culture and Embryo Transfer Cells, tissues, organs 2023-04-27 [PMID: 37105136] (WB, Mouse)

Millar FR, Pennycuik A, Muir M Et al. Toll-like receptor 2 orchestrates a tumor suppressor response in non-small cell lung cancer *Cell Rep* 2022-11-09 [PMID: 36351380] (IHC-P, Human, Mouse)

Details:

Citation using the Azide Free version of this antibody.

Yoshimoto T, Kittaka M, Doan AAP et al. Osteocytes directly regulate osteolysis via MYD88 signaling in bacterial bone infection *Nature communications* 2022-11-04 [PMID: 36333322] (IHC-P, Mouse)

Khandelwal N, Shaikh M, Mhetre A et al. Fatty acid chain length drives lysophosphatidylserine-dependent immunological outputs *Cell chemical biology* 2021-01-21 [PMID: 33571455]

Eyking, A;Ferber, F;Köhler, S;Reis, H;Cario, E; TRIM58 Restrains Intestinal Mucosal Inflammation by Negatively Regulating TLR2 in Myeloid Cells *J. Immunol.* 2019-08-05 [PMID: 31383741] (WB, IP, Human)

Arya RP, Arankalle VA Phenotypic analysis of monocytes and CD4+ T cells in hepatitis E patients with or without pregnancy *Hum. Immunol.* 2019-07-05 [PMID: 31285077] (FLOW, Human)

Fan Y, Yang L, Wei Q et al. Toll-like receptor 10 (TLR10) exhibits suppressive effects on inflammation of prostate epithelial cells. *Asian J. Androl.* 2019-01-01 [PMID: 30618413] (ICC/IF, IHC-P, Human)

Zou Weifeng, He Fang, Liu Sha et al. PM2.5 Induced the Expression of Fibrogenic Mediators via HMGB1-RAGE Signaling in Human Airway Epithelial Cells. *Canadian Respiratory Journal* 2018-01-01 [PMID: 29670673] (WB, Human)

Sumedha S, Kotrashetti VS, Nayak RS, Nayak A et al. Immunohistochemical localization of TLR2 and CD14 in gingival tissue of healthy individuals and patients with chronic periodontitis *Biotech Histochem* 2017-09-14 [PMID: 28910171] (Human)

Krishnan S, Chen S, Turcatel G et al. Regulation of Toll-like receptor 2 interaction with Ecgp96 controls *Escherichia coli* K1 invasion of brain endothelial cells *Cell Microbiol.* 2013-01-01 [PMID: 22963587] (WB, Human)

More publications at <http://www.novusbio.com/NB100-56720>



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Products Related to NB100-56720

NBL1-16952	TLR2 Overexpression Lysate
NB100-56720PEP	TLR2 Antibody Blocking Peptide
NBP2-25297	Pam3CSK4, TLR1 and TLR2 Ligand
NBP2-29331	TIRAP (TLR2 and TLR4) Inhibitor Peptide Set
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.

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