

# Product Datasheet

## TLR2 Antibody - Azide and BSA Free NBP2-24861

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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### Publications: 6

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**NBP2-24861**

TLR2 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein G purified
Buffer	Sterile - filtered PBS
Target Molecular Weight	89 kDa

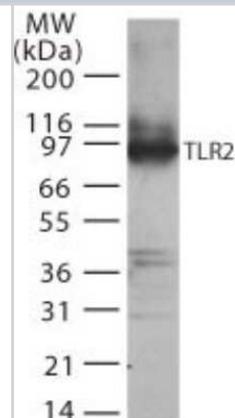
Product Description	
Description	Novus Biologicals Rabbit TLR2 Antibody - Azide and BSA Free (NB100-56720) is a polyclonal antibody validated for use in IHC and WB. Anti-TLR2 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7097
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, Immunohistochemistry
Recommended Dilutions	Western Blot 1-3 ug/ml, Immunohistochemistry
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.

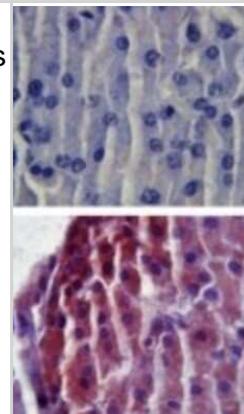


## Images

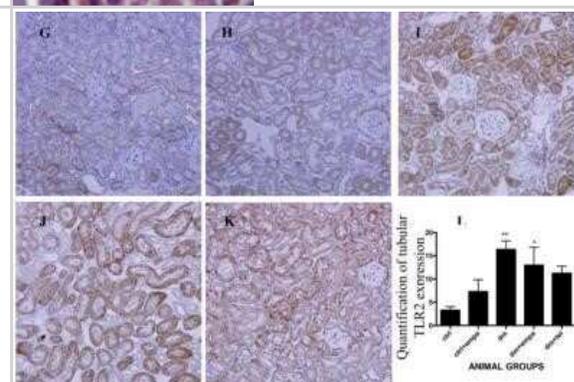
Western Blot: TLR2 Antibody - Azide Free [NBP2-24861] - Analysis of TLR2 in transfected cell lysate using this antibody.



Immunohistochemistry: TLR2 Antibody - Azide Free [NBP2-24861] - Analysis of mouse pancreas tissue using an isotype control (top) and this antibody (bottom) at 5 ug/ml. Image using the standard format of this product.



Immunohistochemistry: TLR2 Antibody - Azide Free [NBP2-24861] - 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  $\pm$  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. Image using the standard format of this product.



## Publications

Millar FR, Pennycuick 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, Mouse, Human)

### Details:

Citation using the Azide Free version of this antibody.

LeBouder E, Rey-Nores JE, Rushmere NK et al. Soluble forms of Toll-like receptor (TLR)2 capable of modulating TLR2 signaling are present in human plasma and breast milk. J Immunol. 2003-12-15 [PMID: 14662871] (WB, Human)

### Details:

1. TLR2 (IMG-319 and IMG-410); For IMG-319: WB, Fig.1D and Fig.6C (Mono Mac-6 monocytes); For IMG-410: Fig.6A-B, (human breast milk).

Su X, Ao L, Shi Y et al. Oxidized low density lipoprotein induces bone morphogenetic protein-2 in coronary artery endothelial cells via Toll-like receptors 2 and 4. J Biol Chem. 2011-04-08 [PMID: 21325271] (Human)

### Details:

TLR2/CD282 (IMG-410A). WB: TLR2 siRNA transfected human coronary artery endothelial (CAECs) cell line, Fig 3A. Note: The TLR2 (IMG-410A) antibody was siRNA validated by WB in CAEC cell line, Fig 3A.

Ghanim H, Sia CL, Upadhyay M et al. Orange juice neutralizes the proinflammatory effect of a high-fat, high-carbohydrate meal and prevents endotoxin increase and Toll-like receptor expression. Am J Clin Nutr. 2010-04-01 [PMID: 20200256]

Wu H, Wang H, Xiong W et al. Expression patterns and functions of toll-like receptors in mouse sertoli cells. Endocrinology. 2008-09-01 [PMID: 18499758] (WB)

### Details:

Antibodies cited: 1. TLR2 (IMG-410A): WB (sertoli cell lysates), Fig. 1D. 2. TLR5 (IMG-444A): WB (sertoli cell lysates), Fig. 1D. 3. TLR5 (IMG-664C): Flow (cell surface), mouse sertoli cells and macrophages, Figs. 1B,C,E. 4. TLR6 (IMG-527): WB (sertoli ce

Chun J, Prince A. Activation of Ca<sup>2+</sup>-dependent signaling by TLR2. J Immunol. 2006-07-15 [PMID: 16818794] (WB, Human)

### Details:

1. TLR2 (IMG-410) [WB (human airway epithelial cell lines)].



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### **Products Related to NBP2-24861**

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NBP2-25297	Pam3CSK4, TLR1 and TLR2 Ligand
NBP2-29331	TIRAP (TLR2 and TLR4) Inhibitor Peptide Set
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

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

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