# TLR2 Polyclonal Antibody

Catalog Number: E-AB-63499



*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human,Mouse,Rat
Immunogen	A synthetic peptide of human TLR2
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applications	Recommended Dilution
ІНС	1:50-1:200
IF	1:50-1:100
Data	



Immunohistochemistry of paraffin-embedded Rat spleen using TLR2 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse islets of langerhans using TLR2 Polyclonal Antibody at dilution of 1:150 (40x lens).





Immunofluorescence analysis of HeLa cells using TLR2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining. Immunofluorescence analysis of Mouse lung using TLR2 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Rat lung using TLR2 Polyclonal Antibody at dilution of 1:100. Blue:

## For Research Use Only

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Toll-free: 1-888-852-8623 Web: <u>www.elabscience.com</u> Tel: 1-832-243-6086 Email: <u>techsupport@elabscience.com</u>

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DAPI for nuclear staining.

### **Preparation & Storage**

Storage

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

#### Background

The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. This protein is a cell-surface protein that can form heterodimers with other TLR family members to recognize conserved molecules derived from microorganisms known as pathogen-associated molecular patterns (PAMPs). Activation of TLRs by PAMPs leads to an up-regulation of signaling pathways to modulate the host's inflammatory response. This gene is also thought to promote apoptosis in response to bacterial lipoproteins. This gene has been implicated in the pathogenesis of several autoimmune diseases. Alternative splicing results in multiple transcript variants.

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