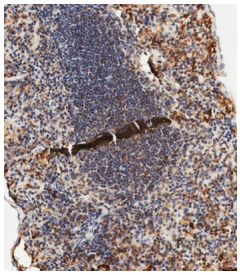
Anti-TLR2 Antibody / Toll-like receptor 2 (F44371)

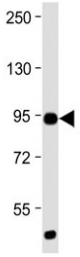
Catalog No.	Formulation	Size
F44371-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44371-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

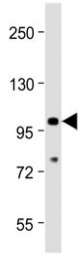
Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9QUN7
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This anti-TLR2 antibody is available for research use only.



IHC staining of FFPE mouse spleen tissue with anti-TLR2 antibody. HIER: steam section in pH9 EDTA buffer for 20 min and allow to cool prior to staining.



Western blot analysis of mouse heart tissue lysate with anti-TLR2 antibody. Predicted molecular weight: 85-90 kDa.



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Description

TLR2 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. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. TLR2 is expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF-kappaB.

Application Notes

Titration of the anti-TLR2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 720-749 from the mouse protein was used as the immunogen for this anti-TLR2 antibody.

Storage

Aliquot the anti-TLR2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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