

**TLR10 Antibody**  
**Catalog # ASC10232****Specification**

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**TLR10 Antibody - Product Information**

Application	WB, IF
Primary Accession	<a href="#">Q9BXR5</a>
Other Accession	<a href="#">AAQ88667</a> , <a href="#">37181720</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	TLR10 antibody can be used for detection of TLR10 by Western blot at 0.5 to 1 µg/mL. Despite its predicted size of ~90 kDa, a band corresponding to TLR10 is observed at ~75 kDa in immunoblot assays. For immunofluorescence start at 2 µg/mL.

**TLR10 Antibody - Additional Information**

Gene ID	81793
<b>Other Names</b>	
TLR10 Antibody: CD290, Toll-like receptor 10, toll-like receptor 10	

**Target/Specificity**  
TLR10;**Reconstitution & Storage**

TLR10 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

TLR10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**TLR10 Antibody - Protein Information****Name** TLR10**Function**

Participates in the innate immune response to microbial agents. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (By similarity).

**Cellular Location**

Membrane; Single-pass type I membrane protein

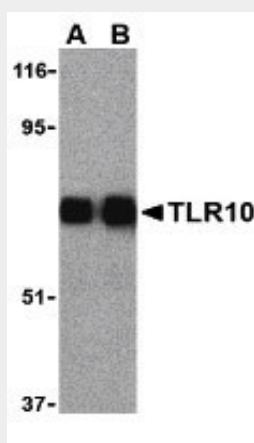
**Tissue Location**

Highly expressed in spleen, lymph node, thymus, tonsil and at lower levels in lung. Highly expressed in promyelocytic HL-60 cells and in B-cell lines

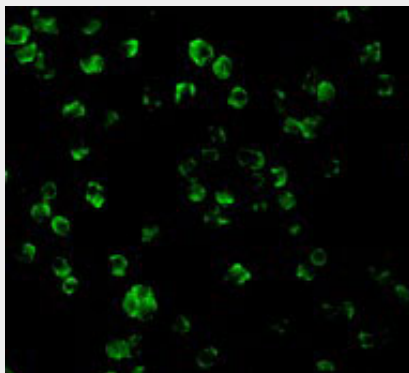
**TLR10 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TLR10 Antibody - Images**

Western blot analysis of TLR10 in human lymph node cell lysates with TLR10 antibody (IN) at (A) 0.5 and (B) 1 µg/mL.



Immunofluorescence of TLR10 in Daudi cells with TLR10 antibody at 2 µg/mL.

**TLR10 Antibody - Background**

TLR10 Antibody: Toll-like receptors (TLRs) are signaling molecules that recognize different microbial products during infection and serve as an important link between the innate and adaptive

immune responses. These proteins act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors. TLR10 is highly homologous to TLRs 1 and 6 and is most highly expressed in lymphoid tissues. Most recently genetic variation in TLR10 has been associated with contributing to asthma risk. It should be noted that TLR10 exists in mice only as a pseudogene.

#### **TLR10 Antibody - References**

Vogel SN, Fitzgerald KA, and Fenton MJ. TLRs: differential adapter utilization by toll-like receptors mediates TLR-specific patterns of gene expression. *Mol. Interv.* 2003; 3:466-77.  
Takeda K, Kaisho T, and Akira S. Toll-like receptors. *Annu. Rev. Immunol.* 2003; 21:335-76.  
Janeway CA Jr. and Medzhitov R. Innate immune recognition. *Annu. Rev. Immunol.* 2002; 20:197-216.  
O'Neill LAJ, Fitzgerald FA, and Bowie AG. The Toll-IL-1 receptor adaptor family grows to five members. *Trends in Imm.* 2003; 24:286-9.