

TLR10 Antibody

Catalog # ASC10232

Product Information

Application	WB, IF, E
Primary Accession	Q9BXR5
Other Accession	AAQ88667 , 37181720
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	94564
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
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.

Additional Information

Gene ID	81793
Other Names	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.

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

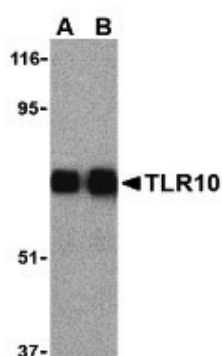
Background

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.

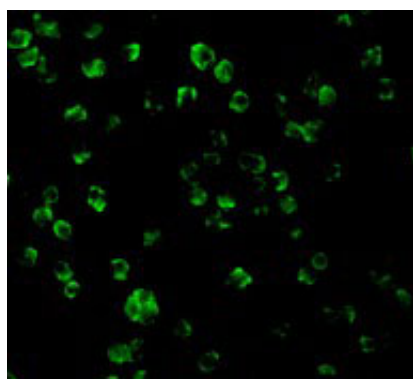
References

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.

Images



Western blot analysis of TLR10 in human lymph node cell lysates with TLR10 antibody (IN) at (A) 0.5 and (B) 1 $\mu\text{g/mL}$.



Immunofluorescence of TLR10 in Daudi cells with TLR10 antibody at 2 $\mu\text{g/mL}$.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.