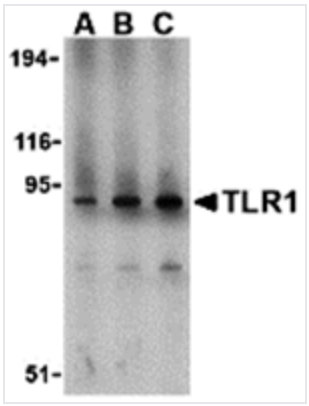
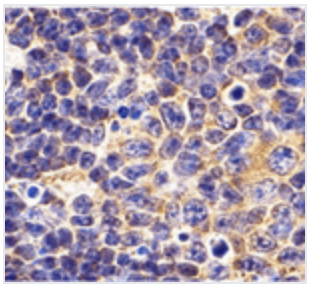
# TLR1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | TLR1, Polyclonal Antibody |
| **Full Product Name** | TLR1 Antibody |
| **Product Gene Name** | anti-TLR1 antibody |
| **Product Synonym Names** | Toll-like receptor 1 |
| **Clonality** | Polyclonal |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse |
| **Form/Format** | Supplied in PBS containing 0.02% sodium azide. |
| **Purity/Purification** | Ion exchange chromatography purified |
| **Preparation and Storage** | Can be stored at -20 degree C, stable for 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. |
| **Molecular Weight** | 90,163 Da |
| **3D Structure** | ModBase 3D Structure for Q6FI64 |
| **Immunogen Type** | Peptide |
| **Immunogen Description** | Raised against a peptide corresponding to 16 amino acids near the amino terminus of human TLR1. |
| **Target Name** | TLR1 |
| **Product Categories/Family for anti-TLR1 antibody** | Total protein Ab |
| **Applications Tested/Suitable for anti-TLR1 antibody** | ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC) |
| **Related Product Information for anti-TLR1 antibody** | Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in Drosophila. These proteins recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. The TLRs act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors so the organism can respond to potential infection. TLR1 is co-expressed with TLR2 on myeloid cells of the innate immune systems in lymphoid tissue such as monocytes and dendritic cells where they form heterodimers that can recognize triacylated lipoproteins. |
| **Other Notes** | Small volumes of anti-TLR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for TLR1 purchase** | MBS9412790 is an antibody targeting TLR1. Also known as TLR1 Antibody. Reactive in Human, Mouse. Host: Rabbit. |




**Western Blot (WB) of anti-TLR1 antibody**
Western blot analysis of TLR1 in mouse spleen lysate with TLR1 antibody at (A) 1, (B) 2, and (C) 4 ug/mL.



**Immunohistochemistry (IHC) of anti-TLR1 antibody**
Immunohistochemistry of TLR1 in mouse spleen tissue with TLR1 antibody at 10 ug/mL.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TLR1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 49065550 |
| **NCBI GeneID** | 7096 |
| **NCBI Accession #** | CAG38593 |
| **UniProt Primary Accession #** | Q6FI64 |
| **UniProt Related Accession #** | Q15399 |
| **NCBI Official Full Name** | TLR1 |
| **NCBI Official Synonym Full Names** | toll-like receptor 1 |
| **NCBI Official Symbol** | TLR1 |
| **NCBI Official Synonym Symbols** | TIL; CD281; rsc786; TIL. LPRS5 |
| **UniProt Protein Name** | Toll-like receptor |
| **Protein Family** | Toll-like receptor |
| **UniProt Gene Name** | TLR1 |
| **UniProt Entry Name** | Q6FI64_HUMAN |
| **NCBI Protein Information** | toll-like receptor 1 |
| **NCBI Summary for TLR1** | 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. 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. This gene is ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene. [provided by RefSeq, Jul 2008] |
| **Research Articles on TLR1** | **1.** Genetic variation rs5743565 in TLR1 might be associated with the decreased susceptibility to Graves disease, whlie polymorphisms in TLR6 and TLR10 did not reach the statistical significance. |
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