

Product datasheet for **TA336413**

TLR2 Rabbit Polyclonal Antibody

Product data:

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|-----------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | Immunohistochemistry, Western Blot: 0.5-2 ug/ml, Immunohistochemistry-Paraffin |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | This antibody was developed against an extracellular domain of mouse TLR2 (amino acids 564-580 and 751-770). |
| Formulation: | PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Concentration: | lot specific |
| Purification: | Protein G purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | toll like receptor 2 |
| Database Link: | NP_003255 Entrez Gene 24088 Mouse Entrez Gene 7097 Human O60603 |



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Background:

The Toll-like receptor (TLR) family in mammal comprises a family of transmembrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and IL-1 receptor motif in the cytoplasmic domain. Like its counterparts in *Drosophila*, TLRs signal through adaptor molecules (1). The TLR family is a phylogenetically conserved mediator of innate immunity that is essential for microbial recognition (2). Ten human homologs of TLRs (TLR1-10) have been described (3). TLR2 is differentially expressed in human cells. TLR2 is expressed in tonsils, lymph nodes, and appendices, activated B-cells in germinal centers. CD14+ monocytes expressed the highest level of TLR2 followed by CD15+ granulocytes, and CD19+ B-cells, CD3+ T-cells, and CD56+ NK cells did not express TLR2. The expression of TLR2 in different cell types is regulated by different immune response modifiers. For example, LPS, GM-CSF, IL-1, and IL-10 up-regulates TLR2 whereas IL-4, IFN-gamma, and TNF down regulate TLR2 expression in monocytes (4).

Synonyms:

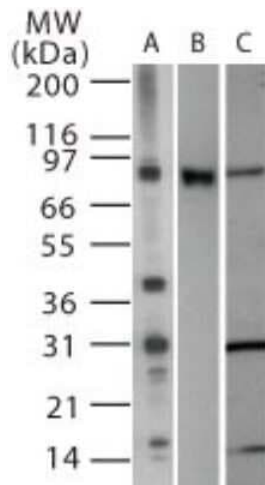
CD282; TIL4

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Toll-like receptor signaling pathway

Product images:

Western Blot: TLR2 Antibody TA336413 - Analysis of TLR2 in (A) 15 ugs of Raw cell lysate (B) Mouse TLR2 transfected cell lysate and (C) Ramos cell lysate. 1 ug/ml.