

Product datasheet for **TA336461**

TLR2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, ICC/IF, IHC, IP, WB
Recommended Dilution:	Immunocytochemistry/ Immunofluorescence, Flow Cytometry, Immunoprecipitation, Immunohistochemistry: 1:10-1:500, Western Blot: 1-3 ug/ml, Immunohistochemistry-Paraffin: 5 ug/ml
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	This antibody was developed against a mixture of synthetic peptides containing amino acids 180-196, 353-370, and 473-489 of human TLR2 (NP_003255).
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.
Predicted Protein Size:	89 kDa
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. The TLR family is a phylogenetically conserved mediator of innate immunity that is essential for microbial recognition. Ten human homologs of TLRs (TLR1-10) have been described. 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 on different cell types are 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.

Synonyms:

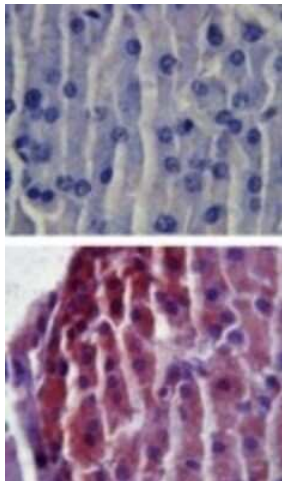
CD282; TIL4

Protein Families:

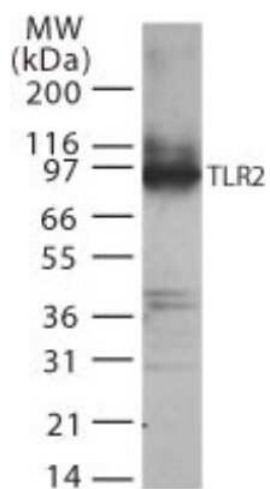
Druggable Genome, Transmembrane

Protein Pathways:

Toll-like receptor signaling pathway

Product images:

Immunohistochemistry-Paraffin: TLR2 Antibody TA336461 - Analysis of mouse pancreas tissue using an isotype control (top) and this antibody (bottom) at 5 ug/ml.



Western Blot: TLR2 Antibody TA336461 - Analysis using the Azide Free version of TA336461. Detection of TLR2 in transfected cell lysate using this antibody.