



TLR2 Polyclonal Antibody

E20-53391

Catalog Number:E20-53391

Product name:TLR2 Polyclonal Antibody

Amount:100ul

Applications:IHC-p

Reactivity:Human,Mouse,Rat

Gene Name:TLR2

Protein Name:Toll-like receptor 2

Human Gene Id:7097

Human Swiss Prot No:O60603

Mouse Swiss Prot No:Q9QUN7

Immunogen:Recombinant Protein of TLR2

Specificity:The antibody detects endogenous TLR2 protein.

Formulation:PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.

Source:Rabbit

Dilution:IHC: 1:200-500

Purification:The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Storage Stability:-20°C/1 year

Other Name:TLR2; TIL4; Toll-like receptor 2; Toll/interleukin-1 receptor-like protein 4; CD282

Background:toll like receptor 2(TLR2) Homo sapiens 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. This protein is a cell-surface protein that can form heterodimers with other TLR family members to recognize conserved molecules derived from microorganisms known as pathogen-associated molecular patterns (PAMPs). Activation of TLRs by PAMPs leads to an up-regulation of signaling pathways to modulate the host's inflammatory response. This gene is also

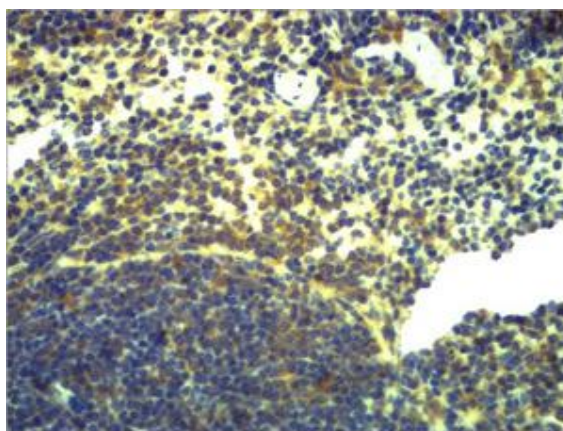
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thought to promote apoptosis in response to bacterial lipoproteins. This gene has been implicated in the pathogenesis of several autoimmune diseases. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016].

Function: Cooperates with LY96 to mediate the innate immune response to bacterial lipoproteins and other microbial cell wall components. Cooperates with TLR1 to mediate the innate immune response to bacterial lipoproteins or lipopeptides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. May also promote apoptosis in response to lipoproteins. Recognizes mycoplasmal macrophage-activating lipopeptide-2kD (MALP-2), soluble tuberculosis factor (STF), phenol-soluble modulin (PSM) and B.burgdorferi outer surface protein A lipoprotein (OspA-L) cooperatively with TLR6.

Subcellular Location: cytoplasm, Golgi apparatus, plasma membrane, integral component of plasma membrane, cell surface, integral component of membrane, phagocytic vesicle membrane, intrinsic component of plasma membrane, Toll-like receptor 1-Toll-like receptor 2 protein complex.

Expression: Blood, Fetal lung, Leukocyte, Prostate, Synovial membrane tissue.



Immunohistochemical analysis of paraffin-embedded Mouse Spleen Tissue using TLR2 Polyclonal Antibody.