



TLR1 Polyclonal Antibody

E20-53388

Catalog Number:E20-53388

Product name:TLR1 Polyclonal Antibody

Amount:100ul

Applications:IHC-p

Reactivity:Human,Mouse,Rat

Gene Name:TLR1

Protein Name:Toll-like receptor 1

Human Gene Id:7096

Human Swiss Prot No:Q15399

Mouse Swiss Prot No:Q9EPQ1

Immunogen:Recombinant Protein of TLR1

Specificity:The antibody detects endogenous TLR1 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 Names:TLR1; KIAA0012; Toll-like receptor 1; Toll/interleukin-1 receptor-like protein; TIL; CD281

Background:toll like receptor 1(TLR1) 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. 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

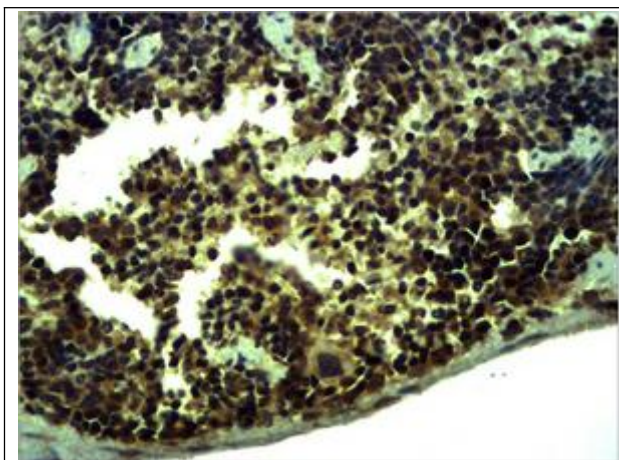
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from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene. [provided by RefSeq, Jul 2008].

Function:function:Participates in the innate immune response to microbial agents. Cooperates with TLR2 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.,similarity:Belongs to the Toll-like receptor family.,similarity:Contains 1 TIR domain.,similarity:Contains 8 LRR (leucine-rich) repeats.,subunit:Binds MYD88 (via TIR domain) (By similarity). Interacts (via extracellular domain) with TLR2. Ligand binding induces the formation of a heterodimer with TLR2.,tissue specificity:Ubiquitous. Highly expressed in spleen, ovary, peripheral blood leukocytes, thymus and small intestine.

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

Expression:Bone marrow,Brain,Erythroleukemia,Liver,Lymph,PCR rescued clones.



Immunohistochemical analysis of paraffin-embedded Mouse Spleen Tissue using TLR1 Polyclonal Antibody.