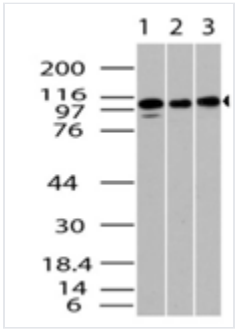
TLR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TLR1, Polyclonal Antibody
Full Product Name	TLR1 Polyclonal Antibody
Product Gene Name	anti-TLR1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human (Predicted Reactivity: Mouse, Rat
Form/Format	Purified (Liquid)
Concentration	0.5mg/ml, 200µl (lot specific)
Preparation and Storage	Store antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles. Expire 1 year from date of purchase.
Molecular Weight	90,291 Da
OMIM	601194
3D Structure	ModBase 3D Structure for Q15399
Antigen	TLR1
Immunogen	A partial recombinant TLR1 protein (amino acids 300-500) was used as the immunogen for this antibody.
Product Categories/Family for anti-TLR1 antibody	TLR
Applications Tested/Suitable for anti-TLR1 antibody	Western Blot (WB)
Application Notes for anti-TLR1 antibody	Western Blot: 4-6 µg/ml
Related Product Information for anti-TLR1 antibody	MBS668144 is an antibody targeting TLR1. Also known as TLR1 Polyclonal Antibody. Reactive in Human (Predicted Reactivity: Mouse, Rat. Host: Rabbit.
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.



Western Blot (WB) of anti-TLR1 antibody
Expression analysis of TLR1. Anti- TLR1 antibody (11-3041) was used at 4 µg/ml on (1) Jurkart , (2) EL4 and (3) Raji lysates.

ADDITIONAL DETAILS

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

NCBI GI #	41350337
NCBI GeneID	7096
NCBI Accession #	NP_003254.2
UniProt Primary Accession #	Q15399
UniProt Secondary Accession #	O15452; Q32MK3; Q32MK4; Q9UG90; D1CS39; D1CS41
UniProt Related Accession #	Q15399
GenBank Nucleotide #	NM_003263.3
NCBI Official Full Name	toll-like receptor 1
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 1
UniProt Synonym Protein Names	Toll/interleukin-1 receptor-like protein; TIL; CD_antigen: CD281
Protein Family	Toll-like receptor
UniProt Gene Name	TLR1
UniProt Synonym Gene Names	KIAA0012; TIL
UniProt Entry Name	TLR1_HUMAN
NCBI Protein Information	toll-like receptor 1; toll/interleukin-1 receptor-like protein
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]
UniProt Comments for TLR1	TLR1: 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. Binds MYD88 (via TIR domain). Interacts with CNPY3. Interacts (via extracellular domain) with TLR2. Ligand binding induces the formation of a heterodimer with TLR2. Ubiquitous. Highly expressed in spleen, ovary, peripheral blood leukocytes, thymus and small intestine. Belongs to the Toll-like receptor family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 4p14 Cellular Component: phagocytic vesicle membrane; membrane; integral to plasma membrane; plasma membrane Molecular Function: transmembrane receptor activity; protein heterodimerization activity; receptor activity Biological Process: MyD88-dependent toll-like receptor signaling pathway; positive regulation of tumor necrosis factor biosynthetic process; macrophage activation; regulation of cytokine secretion; positive regulation of interleukin-6 biosynthetic process; innate immune response; immune response; detection of triacylated bacterial lipoprotein; inflammatory response; signal transduction; toll-like receptor 1 signaling pathway Disease: Leprosy, Susceptibility To, 5

Research Articles on TLR1	**1.** T1805G polymorphism not associated with severity of bronchiolitis or risk of postbronchiolitis wheezing
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