



# Anti-TLR2 (N-terminal) polyclonal antibody (DPAB-L21292)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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 expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF-kappaB. [provided by RefSeq, Jul 2008]
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<b>Immunogen</b>	a peptide corresponding to 14 amino acids near the amino-terminus of human TLR2.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	immunohistochemistry: suitable
<b>Format</b>	Buffered aqueous solution
<b>Size</b>	100 µg
<b>Buffer</b>	Solution in phosphate buffered saline containing 0.02% sodium azide
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C

# GENE INFORMATION

Gene Name	<a href="#">TLR2 toll-like receptor 2 [ Homo sapiens (human) ]</a>
Official Symbol	TLR2
Synonyms	TLR2; toll-like receptor 2; TIL4; CD282; toll/interleukin 1 receptor-like 4; toll/interleukin-1 receptor-like protein 4
Entrez Gene ID	<a href="#">7097</a>
Protein Refseq	<a href="#">NP_003255</a>
UniProt ID	<a href="#">B3KWR9</a>
Pathway	Activated TLR4 signalling; Amoebiasis; Beta defensins; Chagas disease (American trypanosomiasis); Defensins; Hepatitis B; Herpes simplex infection; Immune System
Function	diacyl lipopeptide binding; lipopolysaccharide receptor activity; lipoteichoic acid binding; peptidoglycan binding; protein binding; protein heterodimerization activity; receptor activity; signaling pattern recognition receptor activity; transmembrane signaling receptor activity; triacyl lipopeptide binding