



# TLR4 rabbit pAb

Cat No.:ES20605

For research use only

## Overview

<b>Product Name</b>	TLR4 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	IHC: 1:200-500
<b>Immunogen</b>	Recombinant Protein of TLR4
<b>Specificity</b>	The antibody detects endogenous TLR4 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Toll-like receptor 4
<b>Gene Name</b>	TLR4
<b>Cellular localization</b>	Cell membrane ; Single-pass type I membrane protein . Early endosome . Cell projection, ruffle . Upon complex formation with CD36 and TLR6, internalized through dynamin-dependent endocytosis (PubMed:20037584). Colocalizes with RFTN1 at cell membrane and t
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	
<b>Observed band</b>	
<b>Human Gene ID</b>	7099
<b>Human Swiss-Prot Number</b>	O00206
<b>Alternative Names</b>	TLR4; Toll-like receptor 4; hToll; CD284
<b>Background</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

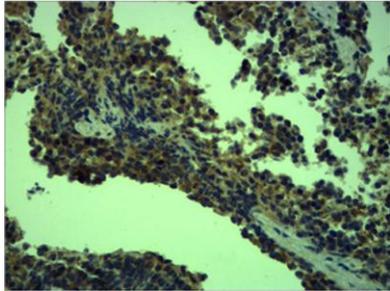




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pathogen-associated molecular patterns that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor has been implicated in signal transduction events induced by lipopolysaccharide (LPS) found in most gram-negative bacteria. Mutations in this gene have been associated with differences in LPS responsiveness. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012],

Immunohistochemical analysis of paraffin-embedded Mouse Spleen Tissue using TLR4 Polyclonal Antibody.



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