

## TLR4 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP15005
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Recombinant Protein of TLR4
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, IF
<b>Concentration</b>	
<b>Full name</b>	Toll-like receptor 4
<b>Synonyms</b>	Toll-like receptor 4; TLR4; Toll-like receptor 4; hToll; CD284

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

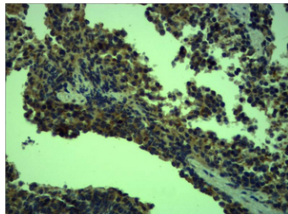
The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns 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.

### Recommended Dilution

IHC: 1: 200 - 1: 500

Not yet tested in other applications.

### Images



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

### Storage

-20°C for 1 year