

Product datasheet for **TA329399**

TLR5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TLR5 antibody: synthetic peptide directed towards the N terminal of human TLR5. Synthetic peptide located within the following region: QLQLELGSQYTPLTIDKEAFRNLPNLRILDGSSKIYFLHPDAFQGLFH
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	98 kDa
Gene Name:	toll like receptor 5
Database Link:	NP_003259 Entrez Gene 7100 Human O60602



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Background:

TLR5 participates in the innate immune response to microbial agents. It mediates detection of bacterial flagellins. TLR5 acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. 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 product is expressed in myelomonocytic cells, and recognizes bacterial flagellin, a principal component of bacterial flagella and a virulence factor. The activation of this receptor mobilizes the nuclear factor NF-kappaB and stimulates tumour necrosis factor-alpha production. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

MELIOS; SLE1; SLEB1; TIL3

Note:

Immunogen sequence homology: Human: 100%; Pig: 83%; Rat: 79%; Goat: 79%; Sheep: 79%; Bovine: 79%

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Pathogenic *Escherichia coli* infection, Toll-like receptor signaling pathway

Product images: