

Product datasheet for **TA306272**

TLR6 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 2 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TLR6 antibody was raised against a peptide corresponding to 13 amino acids near the center of human TLR6.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	toll like receptor 6
Database Link:	NP_006059 Entrez Gene 10333 Human Q9Y2C9



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Background:

Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in *Drosophila*. These proteins recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses (1,2). The TLRs act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors (3) so the organism can respond to potential infection. TLR6 was first identified as a close homolog of TLR1, sharing 69% sequence identity (4). Like TLR1, TLR6 can form heterodimers with TLR2, and these TLR6:TLR2 dimers coordinate macrophage activation by Gram-positive bacteria and the yeast cell wall particle zymosan (5). Activation of these complexes not only initiates pro-inflammatory cascades, but also can lead to apoptotic responses (6).

Synonyms:

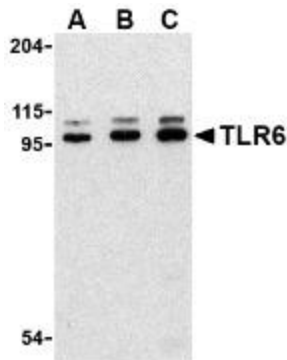
CD286

Protein Families:

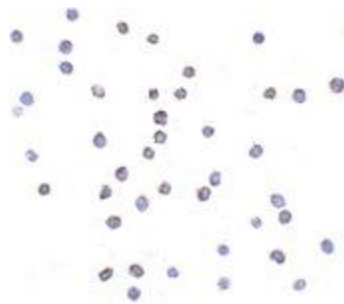
Druggable Genome, Transmembrane

Protein Pathways:

Toll-like receptor signaling pathway

Product images:

Western blot analysis of TLR6 in Jurkat cell lysate with TLR6 antibody at (A) 0.5, (B) 1 and (C) 2 µg/mL.



Immunocytochemistry of TLR6 in Jurkat cells with TLR6 antibody at 2 µg/mL.