Datasheet for ABIN500958

anti-TLR6 antibody (N-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	TLR6
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	TLR6 antibody was raised against a peptide corresponding to 15 amino acids near the amino terminus of human TLR6.
Isotype:	IgG
Specificity:	This antibody detects CD286 / TLR6 at N-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse
Purification:	Peptide affinity chromatography

Target Details

Target:	TLR6
Alternative Name:	CD286 / TLR6 (TLR6 Products)

Target Details

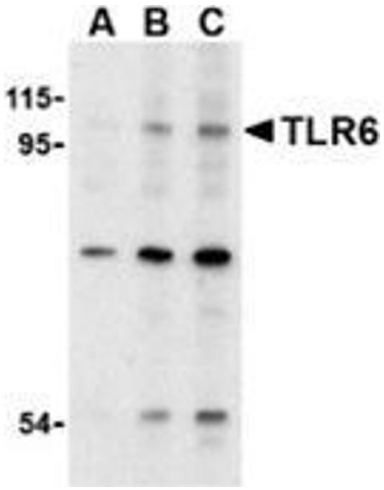
Background:	Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in Drosophila. These proteins recognize different microbial products during infection and serve as an important link between the innate and 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 identify (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: Toll-like receptor 6
Gene ID:	10333
NCBI Accession:	NP_006059
Pathways:	TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Toll-Like Receptors Cascades

Application Details

Application Notes:	ELISA. Western blot. Immunoflourescence. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of TLR6 in Jurkat cell lysate with TLAP30903PU-N at (A) 0.5, (B) 1 and (C) 2 µg/ml.

Immunofluorescence

Image 2. Immunocytochemistry of TLR6 in Jurkat cells with this product at 10 µg/ml.