

Datasheet for ABIN2777429
anti-TLR5 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	TLR5
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Pig, Cow, Goat, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TLR5
Sequence:	QLQLLELGSQ YTPLTIDKEA FRNLPNLRIL DLGSSKIYFL HPDAFQGLFH
Predicted Reactivity:	Cow: 79%, Goat: 79%, Human: 100%, Pig: 83%, Rat: 79%, Sheep: 79%
Characteristics:	This is a rabbit polyclonal antibody against TLR5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TLR5
Alternative Name:	TLR5 (TLR5 Products)

Target Details

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. Alias Symbols: FLJ10052, MGC126430, MGC126431, SLEB1, TIL3 Protein Interaction Partner: RNF216, SIGIRR, TLR4, MYD88, TLR1, Protein Size: 858
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Molecular Weight:	98 kDa
Gene ID:	7100
NCBI Accession:	NM_003268 , NP_003259
UniProt:	O60602
Pathways:	TLR Signaling , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Toll-Like Receptors Cascades

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 858 AA
Restrictions:	For Research Use only

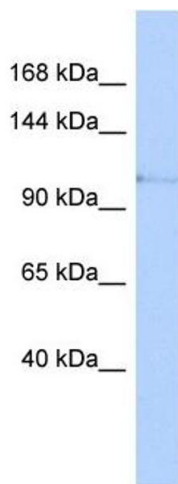
Handling

Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-TLR5 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate