

Datasheet for ABIN6149222
anti-TLR4 antibody (AA 500-600)



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3 Images

Overview

Quantity:	100 µL
Target:	TLR4
Binding Specificity:	AA 500-600
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 500-600 of human TLR4 (NP_612564.1).
Sequence:	FLDLSQCQLE QLSPTAFNSL SSLQVLNMSH NNFFSLDTFP YKCLNSLQVL DYSLNHIMTS KKQELQHFPs SLAFLNLTQN DFACTCEHQS FLQWIKDQRQ L
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	TLR4
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Target Details

Alternative Name:	TLR4 (TLR4 Products)
Background:	<p>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.,TLR4,ARMD10,CD284,TLR-4,TOLL,Immunology & Inflammation,CD markers,NF-kB Signaling Pathway,Toll-like Receptor Signaling Pathway,Cell Intrinsic Innate Immunity Signaling Pathway,TLR Signaling,Cardiovascular,TLR4</p>
Molecular Weight:	73 kDa/91 kDa/95 kDa
Gene ID:	7099
UniProt:	O00206
Pathways:	TLR Signaling , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Toll-Like Receptors Cascades , Inflammasome , S100 Proteins

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

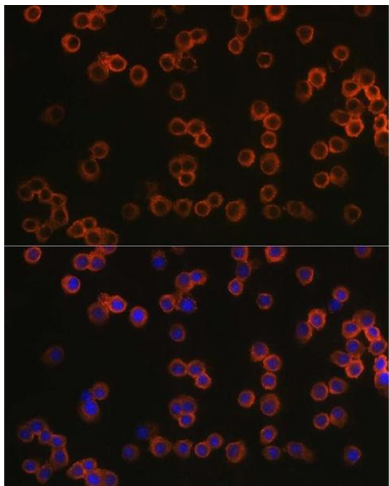
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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

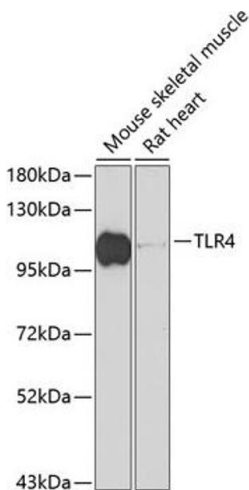
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



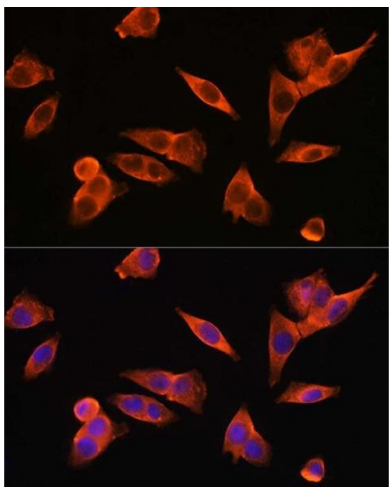
Immunofluorescence

Image 1. Immunofluorescence analysis of R.7 cells using TLR4 Rabbit pAb (ABIN6134488, ABIN6149222, ABIN6149225 and ABIN6215119) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using TLR4 antibody (ABIN6134488, ABIN6149222, ABIN6149225 and ABIN6215119) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.



Immunofluorescence

Image 3. Immunofluorescence analysis of HepG2 cells using TLR4 Rabbit pAb (ABIN6134488, ABIN6149222, ABIN6149225 and ABIN6215119) at dilution of 1:150 (40x lens). Blue: DAPI for nuclear staining.