

Rabbit anti-Human, Mouse TLR4 Polyclonal Antibody | anti-TLR4 antibody

TLR4 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA178681	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

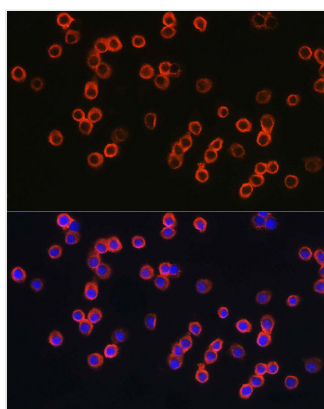
PRODUCT SYNONYMS

TLR4; Polyclonal Antibody; TLR4 Polyclonal Antibody; ARMD10; CD284; TLR-4; TOLL; anti-TLR4 antibody

PRODUCT SPECIFICATIONS

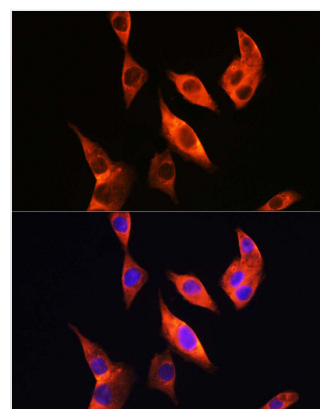
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-TLR4 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human TLR4
Research Area	Cancer, Cardiovascular, Immunology, Microbiology
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



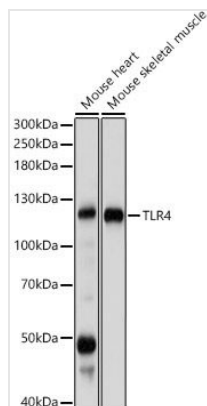
IF (Immunofluorescence)

Immunofluorescence analysis of RAW264.7 using TLR4 Polyclonal antibody at dilution of 1 : 200 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of HepG2 using TLR4 Polyclonal Antibody at dilution of 1 : 200 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of various lysates using TLR4 Polyclonal Antibody at N2348-4 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR4 antibody

The protein encoded by this gene is 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.

Product Categories/Family for anti-TLR4 antibody

[Antibodies](#); [Primary Antibodies](#); [Polyclonal Antibody](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507533
NCBI GeneID	7099
NCBI Accession #	NP_003257.1
NCBI GenBank Nucleotide #	NM_003266.3
UniProt Accession #	O00206; Q5VZI8; Q5VZI9; Q9UK78; Q9UM57; A8K1Y8; A9XLP9; A9XLQ0; A9XLQ1; B4E194
Molecular Weight	95,680 Da
NCBI Official Full Name	toll-like receptor 4 isoform C
NCBI Official Synonym Full Names	toll-like receptor 4
NCBI Official Symbol	TLR4
NCBI Official Synonym Symbols	TOLL; CD284; TLR-4; ARMD10
NCBI Protein Information	toll-like receptor 4; hToll; homolog of <i>Drosophila</i> toll
UniProt Protein Name	Toll-like receptor 4
UniProt Gene Name	TLR4
UniProt Entry Name	TLR4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.