

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

Anti-TLR4 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44929	Rabbit	Human	Immunohistochemistry, Western Blot

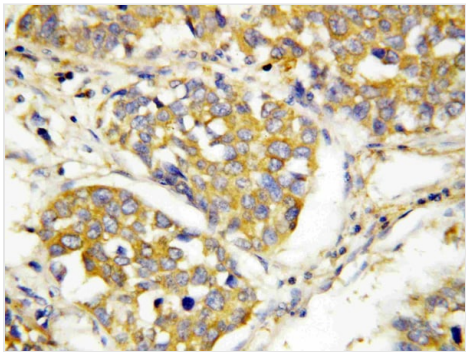
PRODUCT SYNONYMS

TLR4; Polyclonal Antibody; Anti-TLR4 antibody; Toll-like receptor 4; toll-like receptor 4; ARMD10 antibody; CD284 antibody; CD284 antigen antibody; Homolog of Drosophila toll antibody; hToll antibody; TLR 4 antibody; TLR4 antibody; TLR4_HUMAN antibody; Toll(Drosophila) homolog antibody; TOLL antibody; Toll Endotoxin Hyporesponsiveness antibody; Toll like receptor 4 antibody; Toll like receptor 4 precursor antibody; Toll-like receptor 4 antibody; anti-TLR4 antibody

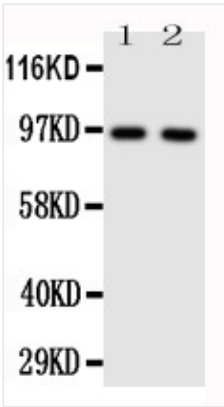
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	839
Applicable Applications for anti-TLR4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminal of human TLR4 (50-68aa DNLPFSTKNLDLSFNPLRH).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-TLR4 antibody, AAA44929, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)
Anti-TLR4 antibody, AAA44929, Western blottingLane 1: HELa Cell LysateLane 2: SMMC Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-TLR4 antibody

Description: Rabbit IgG polyclonal antibody for Toll-like receptor 4(TLR4) detection. Tested with WB, IHC-P in Human.

Background: TLR4, Toll-like receptor 4, is a protein that in humans is encoded by the TLR4 gene. TLR 4 is a toll-like receptor. TLR4, the human homolog of Drosophila Toll, is a type I transmembrane protein with an extracellular domain consisting of a leucine-rich repeat region and an intracellular domain homologous to that of human interleukin-1 receptor. The TLR4 gene is mapped to chromosome 9q32-q33 by fluorescence in situ hybridization. It detects lipopolysaccharide from Gram-negative bacteria and is thus important in the activation of the innate immune system. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20140413
NCBI GeneID	7099
UniProt Accession #	O00206; Q5VZI8; Q5VZI9; Q9UK78; Q9UM57; A8K1Y8; A9XLP9; A9XLQ0; A9XLQ1; B4E194; D1CS52; D1CS53
Molecular Weight	73,301 Da
NCBI Official Full Name	Toll-like receptor 4
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 Drosophila 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.