

Rabbit TLR2 Monoclonal Antibody | anti-TLR2 antibody

Anti-TLR2 Rabbit Monoclonal Antibody

CATALOG # AAA46882	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

TLR2; Monoclonal Antibody; Anti-TLR2 Rabbit Monoclonal Antibody; Toll-like receptor 2; Toll/interleukin-1 receptor-like protein 4; CD282; TIL4; anti-TLR2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	784
Applicable Applications for anti-TLR2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human TLR2
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Highly expressed in peripheral blood leukocytes, in particular in monocytes, in bone marrow, lymph node and in spleen. Also detected in lung and in fetal liver. Levels are low in other tissues.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store 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



WB (Western Blot)

Western blot analysis of TLR2 expression in (1) A549 cell lysate; (2) HeLa cell lysate (AAA46882). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TLR2 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TLR2



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney, using TLR2 Antibody(AAA46882). TLR2 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TLR2 Antibody (AAA46882) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR2 antibody	Cooperates with LY96 to mediate the innate immune response to bacterial lipoproteins and other microbial cell wall components. Cooperates with TLR1 or TLR6 to mediate the innate immune response to bacterial lipoproteins or lipopeptides. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. May also promote apoptosis in response to lipoproteins. Recognizes mycoplasmal macrophage-activating lipopeptide-2kD (MALP-2), soluble tuberculosis factor (STF), phenol-soluble modulin (PSM) and B.burgdorferi outer surface protein A lipoprotein (OspA-L) cooperatively with TLR6.
Product Categories/Family for anti-TLR2 antibody	Immunology; Innate Immunity; Macrophage/Inflamm.; Immunology; immunoGlobulins; Receptors; Microbiology; Protein; Human Protein; Defensin; Signal Transduction; Adapters; transmembrane; Cardiovascular; Atherosclerosis; Vascular Inflammation; Inflammatory Me

NCBI AND UNIPROT INFORMATION

NCBI GI #	974005295
NCBI GeneID	7097
NCBI Accession #	NP_001305716.1
NCBI GenBank Nucleotide #	NM_001318787.1
UniProt Accession #	O60603; O15454; Q8NI00; B3Y612; D1CS45; D1CS48; D1CS49
Molecular Weight	89838 MW
NCBI Official Full Name	toll-like receptor 2
NCBI Official Synonym Full Names	toll like receptor 2
NCBI Official Symbol	TLR2
NCBI Official Synonym Symbols	TIL4; CD282
NCBI Protein Information	toll-like receptor 2
UniProt Protein Name	Toll-like receptor 2
UniProt Gene Name	TLR2
UniProt Synonym Gene Names	TIL4

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tlr2-antibody-western-blot-immunohistochemistry-elisa/46882>