

Rabbit TLR5 Polyclonal Antibody | anti-TLR5 antibody

TLR5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326341	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

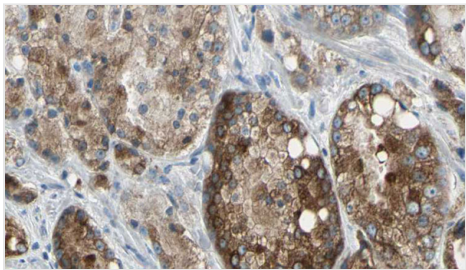
PRODUCT SYNONYMS

TLR5; Polyclonal Antibody; TLR5 Antibody; FLJ10052; MGC126430; MGC126431; SLEB1; TIL 3; TIL3; TLR 5; Tlr5; TLR5_HUMAN; Toll like receptor 5; Toll like receptor 5 precursor; Toll-like receptor 5; Toll/interleukin 1 receptor like protein 3; Toll/interleukin-1 receptor-like protein 3; anti-TLR5 antibody

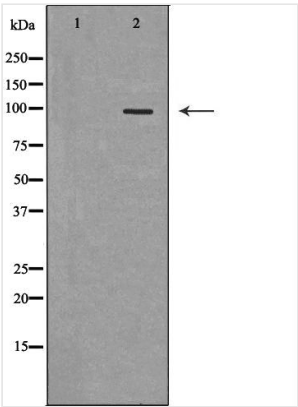
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TLR5 antibody detects endogenous levels of total TLR5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	858
Applicable Applications for anti-TLR5 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TLR5
Subcellular Location	Membrane.
Tissue Specificity	Highly expressed in ovary and in peripheral blood leukocytes, especially in monocytes, less in CD11c+ immature dendritic cells. Also detected in prostate and testis.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326341 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of HeLa, using TLR5 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR5 antibody

Description: This gene encodes a member of the toll-like receptor (TLR) family, which plays a fundamental role in pathogen recognition and activation of innate immune responses. These receptors recognize distinct pathogen-associated molecular patterns that are expressed on infectious agents. The protein encoded by this gene recognizes bacterial flagellin, the principal component of bacterial flagella and a virulence factor. The activation of this receptor mobilizes the nuclear factor NF-kappaB, which in turn activates a host of inflammatory-related target genes. Mutations in this gene have been associated with both resistance and susceptibility to systemic lupus erythematosus, and susceptibility to Legionnaire disease.[provided by RefSeq, Dec 2009]
Function: Participates in the innate immune response to microbial agents. Mediates detection of bacterial flagellins. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.
Subunit Structure: Binds MYD88 via their respective TIR domains (By similarity). Homodimer both in the absence and presence of ligand.
Post-translational Modifications: Phosphorylated at Ser-805 by PKD/PRKD1; phosphorylation induces the production of inflammatory cytokines. Phosphorylated at Tyr-798 upon flagellin binding; required for signaling.
Similarity: Belongs to the Toll-like receptor family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16751843
NCBI GeneID	7100
NCBI Accession #	NP_003259.2
NCBI GenBank Nucleotide #	NM_003268.5
UniProt Accession #	O60602; O15456; Q32MI2; Q32MI3; B1AZ05; B3Y633; B9VJ63; D1CS80; D3DTB8
Molecular Weight	Observed: 98 kDa Predicted: 98 kDa
NCBI Official Full Name	toll-like receptor 5
NCBI Official Synonym Full Names	toll like receptor 5
NCBI Official Symbol	TLR5
NCBI Official Synonym Symbols	SLE1; TIL3; SLEB1; MELIOS
NCBI Protein Information	toll-like receptor 5
UniProt Protein Name	Toll-like receptor 5
UniProt Gene Name	TLR5

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/polyclonal/tlr5-antibody-immunohistochemistry-western-blot-elisa/326341>