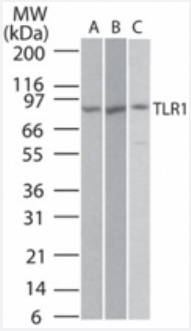
TLR1 polyclonal antibody

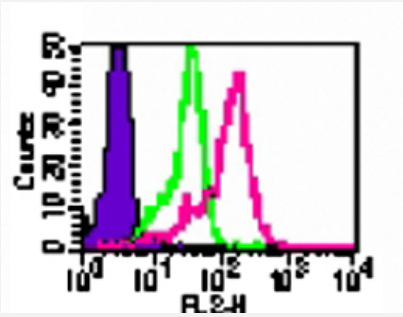
Catalog # PAB0215 Size 100 ug

Applications



Western Blot

Western blot analysis of TLR1 in Ramos (A), Raw (B), and (C) TLR1 transfected cell lysate using TLR1 polyclonal antibody (Cat # PAB0215) at 2 ug/mL .



Flow Cytometry

Intracellular flow cytometric analysis of TLR1 in human PBMCs (monocyte-gated) using TLR1 polyclonal antibody (Cat # PAB0215) at 0.5 ug/10^6 cells. Shaded histogram represents cells without antibody, Green represents isotype control, red represents TLR1 antibody.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TLR1.
Immunogen	A synthetic peptide corresponding to amino acids 400-450 of human TLR1.
Host	Rabbit
Reactivity	Human, Rat
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide)

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

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Gene Info — TLR1

Entrez GeneID	7096
Gene Name	TLR1
Gene Alias	CD281, DKFZp547I0610, DKFZp564I0682, KIAA0012, MGC104956, MGC126311, MGC126312, TIL, rsc786
Gene Description	toll-like receptor 1
Omim ID	601194
Gene Ontology	Hyperlink
Gene Summary	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. The various TLRs exhibit different patterns of expression. This gene is ubiquitously expressed, and at higher levels than other TLR genes. Different length transcripts presumably resulting from use of alternative polyadenylation site, and/or from alternative splicing, have been noted for this gene. [provided by RefSeq
Other Designations	Toll/interleukin-1 receptor-like

Publication Reference

- Changes in the expression of the toll-like receptor system in the aging rat kidneys.

  Xi Y, Shao F, Bai XY, Cai G, Lv Y, Chen X.

  PLoS One 2014 May; 9(5):e96351.

  Application: WB-Ti, Rat, Renal

- Intracellular signaling mechanisms regulating toll-like receptor-mediated activation of eosinophils.

  Wong CK, Cheung PF, Ip WK, Lam CW.

  American Journal of Respiratory Cell and Molecular Biology 2007 Mar; 37(1):85.

- Members of the Toll-like receptor family of innate immunity pattern-recognition receptors are abundant in the male rat reproductive tract.

  Palladino MA, Johnson TA, Gupta R, Chapman JL, Ojha P.

  Biology of Reproduction 2007 Jun; 76(6):958.

Pathway

- Toll-like receptor signaling pathway

Disease

- Adenocarcinoma
- Arthritis
- Aspergillosis
- Asthma
- Bacteriuria
- Birth Weight
- Breast Neoplasms
- Bronchiolitis
- Bronchiolitis Obliterans

- Chagas Cardiomyopathy
- Chorioamnionitis
- Chronic Disease
- Colitis
- Crohn Disease
- Cystitis
- Dermatitis
- Encephalomyelitis
- Esophageal Neoplasms
- Fetal Membranes
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hematologic Diseases
- Hodgkin Disease
- Hypersensitivity
- Infant
- Inflammatory Bowel Diseases
- Kidney Failure
- Leprosy
- Leukemia
- Lung Diseases
- Lyme Disease
- Lymphoma
- Lymphoproliferative Disorders
- Malaria

- Meningeal Neoplasms
- Meningioma
- Multiple Myeloma
- Multiple Sclerosis
- Obstetric Labor
- Occupational Diseases
- Parasitemia
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Puerperal Disorders
- Pyelonephritis
- Recurrence
- Respiratory Syncytial Virus Infections
- Rhinitis
- Sepsis
- Streptococcal Infections
- Tuberculosis
- Urinary Tract Infections
- Vaginosis
- Waldenstrom Macroglobulinemia
- Werner syndrome