

TLR9 polyclonal antibody

Catalog # PAB9737 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of TLR9 expression in Jurkat cell lysate with TLR9 polyclonal antibody (Cat # PAB9737) at 0.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TLR9.
Immunogen	A synthetic peptide corresponding to internal region of human TLR9.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunohistochemistry

Gene Info — TLR9

Entrez GeneID [54106](#)

Gene Name TLR9

Gene Alias CD289

Gene Description toll-like receptor 9

Omim ID [605474](#)

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 preferentially expressed in immune cell rich tissues, such as spleen, lymph node, bone marrow and peripheral blood leukocytes. Studies in mice and human indicate that this receptor mediates cellular response to unmethylated CpG dinucleotides in bacterial DNA to mount an innate immune response. [provided by RefSeq]

Other Designations -

Publication Reference

- [The expanding family of MyD88-like adaptors in Toll-like receptor signal transduction.](#)

McGettrick AF, O'Neill LA.

Molecular Immunology 2004 Jul; 41(6-7):577.

- [Ligand-regulated chimeric receptor approach reveals distinctive subcellular localization and signaling properties of the Toll-like receptors.](#)

Nishiya T, DeFranco AL.

The Journal of Biological Chemistry 2004 Feb; 279(18):19008.

Pathway

- [Toll-like receptor signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Anemia](#)
- [Arthritis](#)
- [Arthropathy](#)
- [Aspergillosis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Behcet Syndrome](#)
- [Birth Weight](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Bronchiolitis Obliterans](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Chagas Cardiomyopathy](#)

- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Colitis](#)
- [Common Variable Immunodeficiency](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Cytomegalovirus Infections](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Eczema](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Graves Ophthalmopathy](#)
- [Helicobacter Infections](#)
- [Hematologic Neoplasms](#)
- [Hemochromatosis](#)
- [Hemorrhagic Fever](#)
- [Hepatitis C](#)

- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Immunodeficiency with hyper-IgM](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Lymphoma](#)
- [Malaria](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Musculoskeletal Diseases](#)
- [Mycobacterium Infections](#)
- [Mycoses](#)
- [Obstetric Labor](#)
- [Parasitemia](#)
- [Pneumonia](#)
- [Pouchitis](#)

- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puerperal Disorders](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Sounds](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)
- [Sarcoidosis](#)
- [Schizophrenia](#)
- [Sepsis](#)
- [Skin Diseases](#)
- [Stomach Neoplasms](#)
- [Streptococcal Infections](#)
- [Tuberculosis](#)
- [Virus Diseases](#)