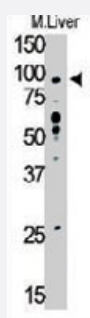


TLR6 polyclonal antibody

Catalog # PAB3553

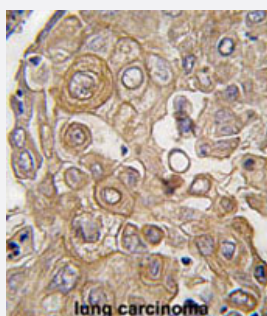
Size 400 uL

Applications



Western Blot (Tissue lysate)

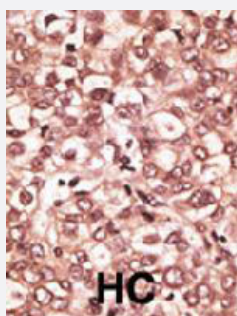
Western blot analysis of TLR6 polyclonal antibody (Cat # PAB3553) in mouse liver tissue lysate (35 ug/lane). TLR6 (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human lung carcinoma reacted with TLR6 polyclonal antibody (Cat # PAB3553), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

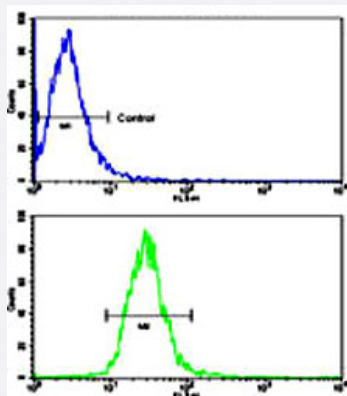
This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with TLR6 polyclonal antibody (Cat # PAB3553), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.



Flow Cytometry

Flow cytometric analysis of NCI-H460 cells using TLR6 polyclonal antibody (Cat # PAB3553)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TLR6.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human TLR6.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Flow Cytometry (1:10-50) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% 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 should be handled by trained staff only.

Applications

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Flow cytometric analysis of NCI-H460 cells using TLR6 polyclonal antibody (Cat # PAB3553)(bottom histogram) compared to a negative control cell (top histogram).

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Gene Info — TLR6

Entrez GeneID [10333](#)

Protein Accession# [Q9Y2C9](#)

Gene Name TLR6

Gene Alias CD286

Gene Description toll-like receptor 6

Omim ID [605403](#)

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 receptor functionally interacts with toll-like receptor 2 to mediate cellular response to bacterial lipoproteins. [provided by RefSeq]

Other Designations OTTHUMP00000158730

Publication Reference

- [Cooperation of Toll-like receptor 2 and 6 for cellular activation by soluble tuberculosis factor and *Borrelia burgdorferi* outer surface protein A lipoprotein: role of Toll-interacting protein and IL-1 receptor signaling molecules in Toll-like receptor 2 signaling.](#)

Bulut Y, Faure E, Thomas L, Equils O, Arditi M.

Journal of Immunology 2001 Jul; 167(2):987.

- [TLR6: A novel member of an expanding toll-like receptor family.](#)

Takeuchi O, Kawai T, Sanjo H, Copeland NG, Gilbert DJ, Jenkins NA, Takeda K, Akira S.

Gene 1999 Apr; 231(1-2):59.

Pathway

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

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Aspergillosis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Bronchiolitis Obliterans](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Cystitis](#)

- [Dermatitis](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [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](#)
- [Pulmonary Disease](#)
- [Pyelonephritis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)
- [Sepsis](#)
- [Streptococcal Infections](#)
- [Tuberculosis](#)
- [Urinary Tract Infections](#)
- [Vaginosis](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)