



Datasheet for ABIN673239
anti-TLR5 antibody (AA 701-810)



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Overview

Quantity:	100 µL
Target:	TLR5
Binding Specificity:	AA 701-810
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse TLR5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat
Purification:	Purified by Protein A.

Target Details

Target:	TLR5
Alternative Name:	TLR5 (TLR5 Products)
Background:	Synonyms: Toll-like receptor 5, Tlr5

Target Details

Background: 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 (By similarity).

Gene ID: 53791

UniProt: [Q9JLF7](#)

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Li, Yu, Li, Liu, Jiao, Song, Lv, Qin: "Phycocyanin attenuates pulmonary fibrosis via the TLR2-MyD88-NF-κB signaling pathway." in: **Scientific reports**, Vol. 7, Issue 1, pp. 5843, (2017) ([PubMed](#)).

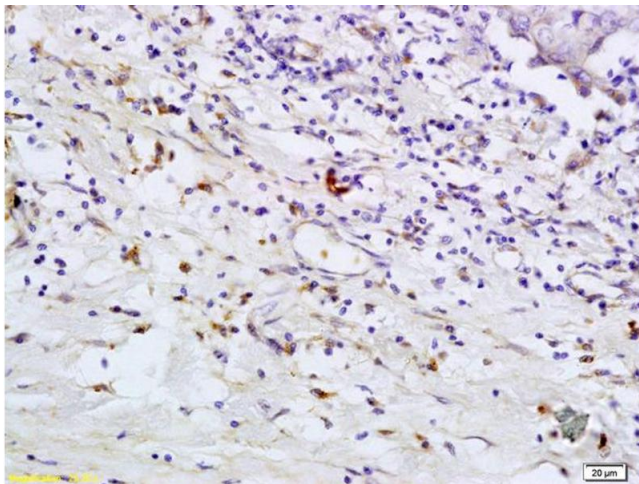
Sun, Zhan, Liang, Zhang, Song, Han, Hou: "In vivo Toll-like receptor 5 (TLR5) imaging with

radiolabeled anti-TLR5 monoclonal antibody in rapamycin-treated mouse allogeneic skin transplantation model." in: **Transplant infectious disease : an official journal of the Transplantation Society**, Vol. 17, Issue 1, pp. 80-8, (2015) ([PubMed](#)).

Hao, Zhang, Liang, Song, Hou: "rFliC prolongs allograft survival in association with the activation of recipient Tregs in a TLR5-dependent manner." in: **Cellular & molecular immunology**, Vol. 11, Issue 2, pp. 206-14, (2014) ([PubMed](#)).

Sun, Yang, Liang, Zhang, Song, Han, Hou: "Non-invasive imaging of allogeneic transplanted skin graft by (131) I-anti-TLR5 mAb." in: **Journal of cellular and molecular medicine**, (2014) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human breast carcinoma labeled with Anti- TLR5 Polyclonal Antibody, Unconjugated (ABIN673239) at 1:200 followed by conjugation to the secondary antibody and DAB staining