abcam

Product datasheet

Anti-TLR5 antibody ab37071

1 References   **3 Images**

Overview

Product name	Anti-TLR5 antibody
Description	Rabbit polyclonal to TLR5
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF, WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to 15 amino acids near the carboxy terminus or human TLR5.
Positive control	THP 1 cell lysate
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Protein A purified
Purification notes	Purified by affinity chromatography
Clonality	Polyclonal
Isotype	IgG

Applications

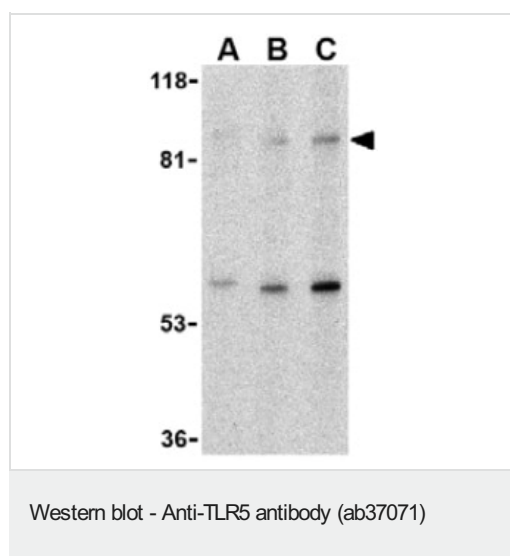|	
The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab37071 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 10 µg/ml.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 97 kDa.Can be blocked with **Active human TLR5 peptide (ab40018)**.

Target

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.
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.
Involvement in disease	Systemic lupus erythematosus 1
Sequence similarities	Belongs to the Toll-like receptor family. Contains 22 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 TIR domain.
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.
Cellular localization	Membrane.

Images

Western blot - Anti-TLR5 antibody (ab37071)

Lane 1 : Anti-TLR5 antibody (ab37071) at 0.5 µg/ml

Lane 2 : Anti-TLR5 antibody (ab37071) at 1 µg/ml

Lane 3 : Anti-TLR5 antibody (ab37071) at 2 µg/ml

All lanes : THP 1 cell lysate

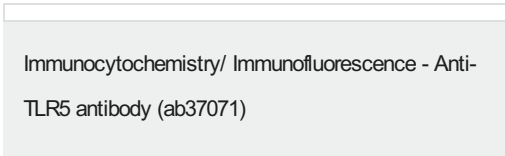Lysates/proteins at 15 µg per lane.

Predicted band size: 97 kDa

Observed band size: 97 kDa

Additional bands at: 65 kDa. We are unsure as to the identity of these extra bands.

ab37071 at 10µg/ml staining TLR5 in THP-1 cells by ICC/IF

Immunocytochemistry/ Immunofluorescence - Anti-TLR5 antibody (ab37071)

Immunofluorescence of TLR5 in THP1 cells using ab37071 at 10 ug/ml.

Immunocytochemistry/ Immunofluorescence - Anti-TLR5 antibody (ab37071)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

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