

## Product datasheet

# Anti-TLR5 antibody ab37071

3 Images

### Overview

<b>Product name</b>	Anti-TLR5 antibody
<b>Description</b>	Rabbit polyclonal to TLR5
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide corresponding to 15 amino acids near the carboxy terminus of human TLR5.
<b>Positive control</b>	THP 1 cell lysate

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: PBS
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified by affinity chromatography
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab37071** in the following tested applications.

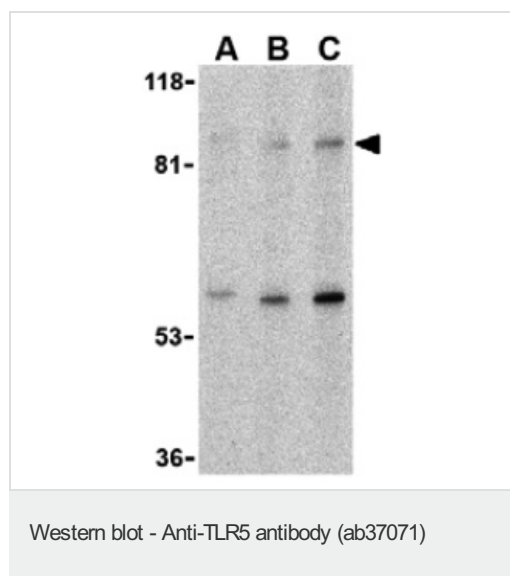
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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 <a href="#">Active human TLR5 peptide (ab40018)</a> .

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Highly expressed in ovary and in peripheral blood leukocytes, especially in monocytes, less in CD11c+ immature dendritic cells. Also detected in prostate and testis.
<b>Involvement in disease</b>	Systemic lupus erythematosus 1
<b>Sequence similarities</b>	Belongs to the Toll-like receptor family. Contains 22 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 TIR domain.
<b>Post-translational modifications</b>	Phosphorylated at Ser-805 by PKD/PRKD1; phosphorylation induces the production of inflammatory cytokines. Phosphorylated at Tyr-798 upon flagellin binding; required for signaling.
<b>Cellular localization</b>	Membrane.

## Images



**Lane 1** : Anti-TLR5 antibody (ab37071) at 0.5  $\mu\text{g/ml}$

**Lane 2** : Anti-TLR5 antibody (ab37071) at 1  $\mu\text{g/ml}$

**Lane 3** : Anti-TLR5 antibody (ab37071) at 2  $\mu\text{g/ml}$

**All lanes** : THP 1 cell lysate

Lysates/proteins at 15  $\mu\text{g}$  per lane.

**Predicted band size:** 97 kDa

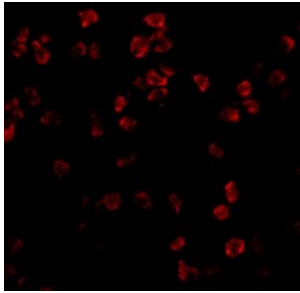
**Observed band size:** 97 kDa

**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)

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