

## Product datasheet

### Anti-TLR5 antibody ab62460

★★★★☆ [4 Abreviews](#) [11 References](#) [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> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Rat
<b>Immunogen</b>	A 16 amino acid synthetic peptide near the center of human TLR5
<b>Positive control</b>	Rat brain lysate, brain tissue
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

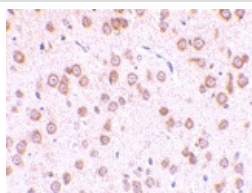
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab62460 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 97 kDa (predicted molecular weight: 97 kDa).
IHC-P	★★★★★ (3)	Use a concentration of 10 µg/ml.

## Target

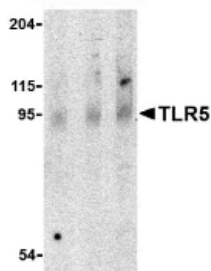
<b>Function</b>	Participates in the innate immune response to microbial agents. Mediates detection of bacterial flagellins. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.
<b>Tissue specificity</b>	Highly expressed in ovary and in peripheral 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



Immunohistochemistry of TLR5 on paraffin embedded rat brain tissue section with ab62460 at 10 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR5 antibody (ab62460)



**Lane 1 :** Anti-TLR5 antibody (ab62460) at 0.5 µg/ml

**Lane 2 :** Anti-TLR5 antibody (ab62460) at 1 µg/ml

**Lane 3 :** Anti-TLR5 antibody (ab62460) at 2 µg/ml

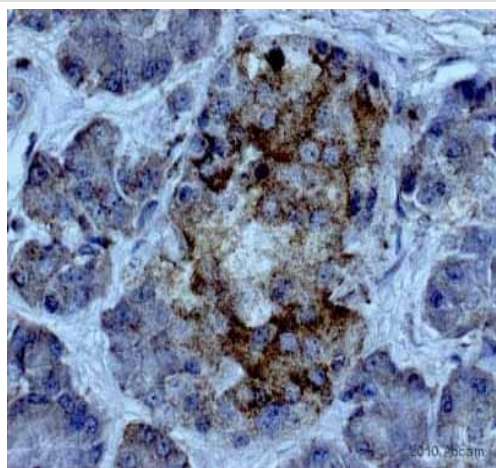
**All lanes :** Rat brain cell lysate

Lysates/proteins at 15 µg per lane.

Western blot - Anti-TLR5 antibody (ab62460)

**Predicted band size:** 97 kDa

**Observed band size:** 97 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TLR5 antibody (ab62460)

Image courtesy of Dr Ilka Werner-Martini by Abreview

ab62460 staining TLR5 in human pancreatic tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Tissue was fixed with formaldehyde and a heat mediated antigen retrieval step was performed. Samples were then incubated with the primary antibody at a 1/50 dilution for 14 hours at 4°C. An undiluted HRP-conjugated goat polyclonal was used as secondary antibody.

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

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- 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
- Extensive multi-media technical resources to help you
- 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.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors